SUNDE™

User's Manual

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THANKS FOR PURCHASING SUNDE NETWORK TERMINAL. PLEASE READ THIS MANUAL CAREFULLY BEFORE USE.

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www.sundenc.com

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1. Introduction

SUNDE Network Terminal is base on SOC using MIPS technology with NetPoint[tm] client software. It is designed to work in client-server networks and depends primarily on the central server for processing activities, and mainly focuses on conveying input and output between the user and the remote server. Using SUNDE Network Terminal devices, can save lots hardware costs, software support, power consumption, desk space and e-waste.

ICON KEY

System Setup

Windows XP

Windows 7

Linux

SUNDE Terminal

Layout of this Manual

The "icon key" at left indicates the various sections in this user manual. The System Setup is common for all operating systems. After reading the contents of system setup, kindly refer to the sections dealing with the respective aspects.

1.1 Components

The SUNDE Network Terminal system comprises of the following components

1. Network Terminal
2. Power Supply Adapter
3. Quick Setup Manual

Please check the components and if any are missing or physically damaged, contact the dealer immediately. Save packaging for future use.

For connecting the Network Terminal to the computer the following are essential,

1. An Ethernet RJ45 LAN port on the Host PC.

2. An Ethernet RJ45 cable of suitable length.

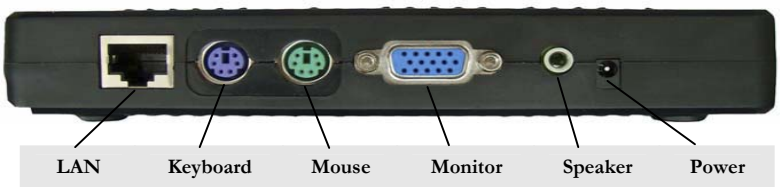
3. Ethernet switch or router may be used, to connect more than one Network Terminal or other network devices. Additional Ethernet cables will be required in this case.

1.2 Recommended Server Configuration

Given below is the recommended Host PC/Server configuration for connecting up a number of SUNDE Network Terminal terminals.

RECOMMENDED HOST PC/SERVER CONFIGURATION						
For Windows XP Professional, Win 2003 Server						
No of Terminals	1 to 3	4 to 6	7 to 10	11 to 20	21 to 30	31 to 40
CPU Config	1.3 GHz P4	2.8 GHz P4	3.2 GHz P4	2.5 GHz Core 2 Duo	3.0 GHz Core 2 Duo	2.33 GHz Quad
RAM	512	1 GB	2 GB	3 GB	4 GB	5GB
HDD rpm	5600	7200	7200	10000	10000	10000
For Windows 7 ,Windows Vista, Windows 2008 and LINUX OS						
No of Terminals	1 to 3	4 to 6	7 to 10	11 to 20	21 to 30	31 to 40
CPU Config	2.0 GHz Pentium E	2.8 GHz Pentium E	2.5 GHz Core 2 Duo	3.0 GHz Core 2 Duo	2.33 GHz Quad	2.66 GHz Quad
RAM	1 GB	2 GB	3GB	4 GB	5 GB	6 GB
HDD rpm	7200	7200	10000	10000	10000	10000
Note: you can connect at most 20 sets SUNDE terminals in windows 7, windows xp, windows Vista.windows 2008						

1.3 Connecting



STEP 1. Connect your Keyboard/Mouse/Monitor/Speaker/Headphone as shown in the figure below. The Keyboard and Mouse are PS2 types.

STEP 2. Connect the Terminal to Host PC/Switch/Router using the Ethernet cable with RJ45 pins as shown below.

CAUTION

FOR L-SERIES PLEASE USE STRAIGHT ETHERNET CABLE ONLY, DO NOT USE CROSS OVER ETHERNET CABLE TO CONNECT PC DIRECTLY.

STEP 3. Connect the power adapter.

CAUTION

USE ONLY THE ORIGINAL POWER SUPPLY ADAPTER

2. Installing Program

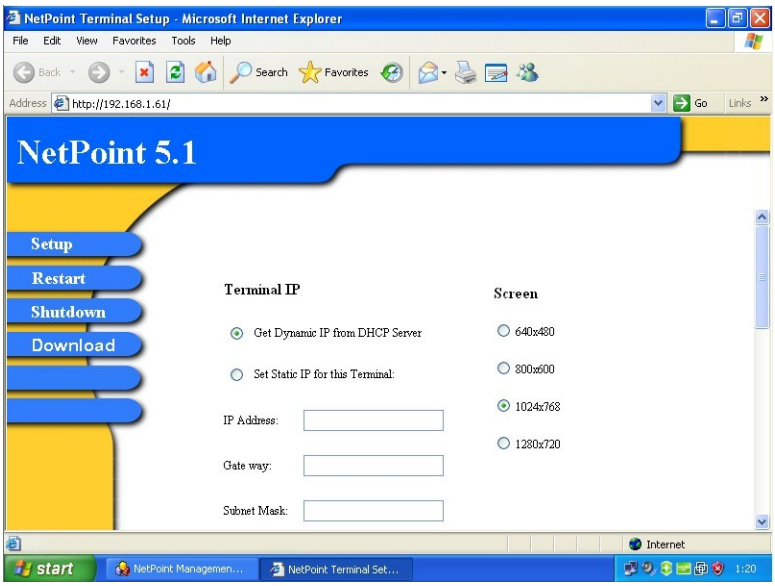
2.1 Installing NetPoint Software

Prior to installing NetPoint, Please make sure to DISABLE or UNINSTALL any Anti-Virus or Firewall software that may be running in the background. Security software or this type has been tested and known to interfere with the installation and operation of our product. They can be enabled after the installation.

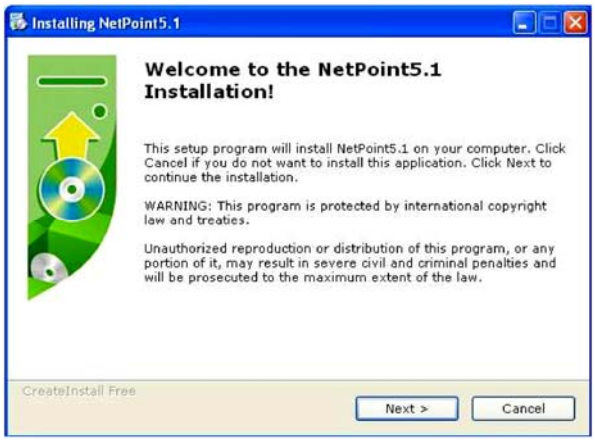
The latest installation information, please visit http://www.sundenc.com.

1. Turn on SUNDE Terminal and wait until all lights are on.
2. On the Host PC, open a browser (e.g. IE), input the IP address of the terminal, the NetPoint Terminal Setup page will appear.

   Note: You can get the terminal's IP address on the left bottom of the terminal's logon page.
3. Under the NetPoint Terminal Setup page, chick "Download" to download the installation program to the desktop(or any other directory) of the host..



4. Double click "netpoint.exe". Follow the wizard. After installation, restart the Computer. Then go on with next step to unblock the software.

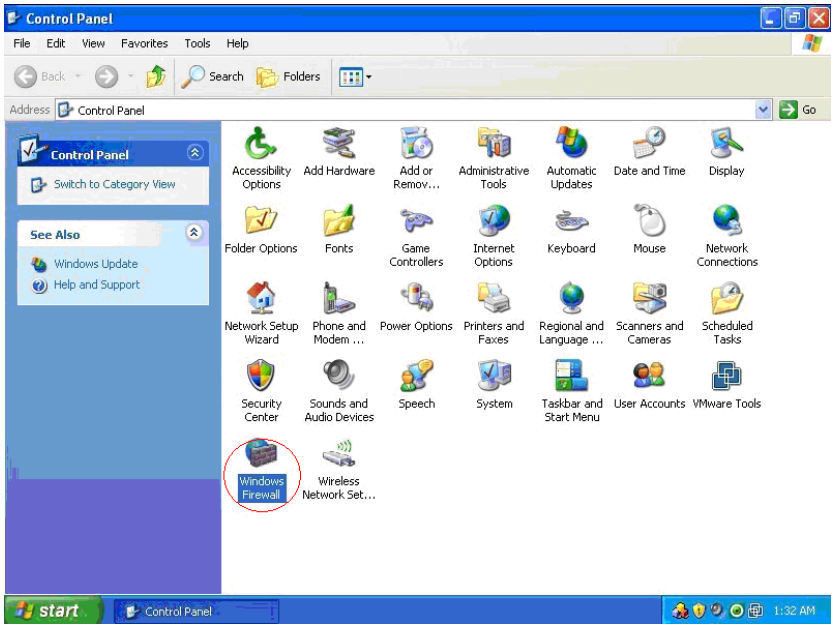

Installing NetPoint5.1
Welcome to the NetPoint5.1 Installation!
This setup program will install NetPoint5.1 on your computer. Click Cancel if you do not want to install this application. Click Next to continue the installation.
WARNING: This program is protected by international copyright law and treaties.
Unauthorized reproduction or distribution of this program, or any portion of it, may result in severe civil and criminal penalties and will be prosecuted to the maximum extent of the law.
CreateInstall Free
Next >
Cancel

2.2 Unblocking NetPoint Software

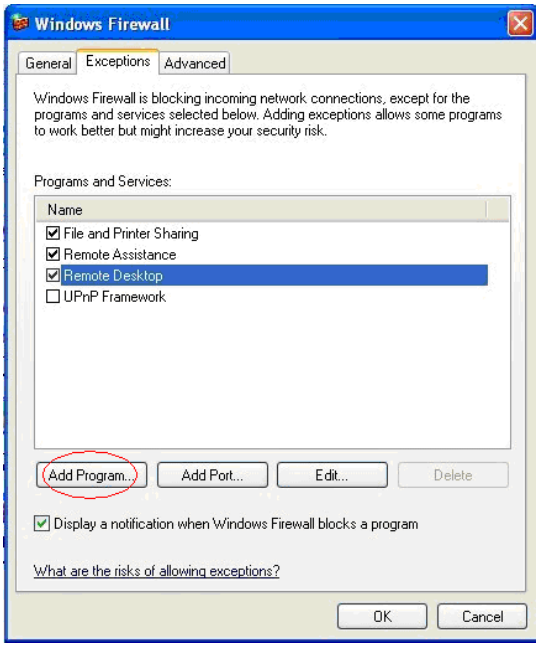
This step must be done after restart, otherwise, the SUNDE Terminals can not find this server and can not logon.

WINDOWS XP, WINDOWS 2003 SERVER

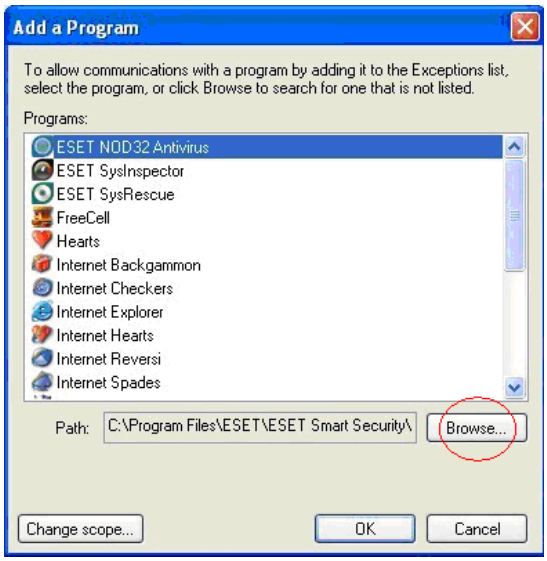
Click "Start", Click "Control Panel", Double Click "Windows Firewall"



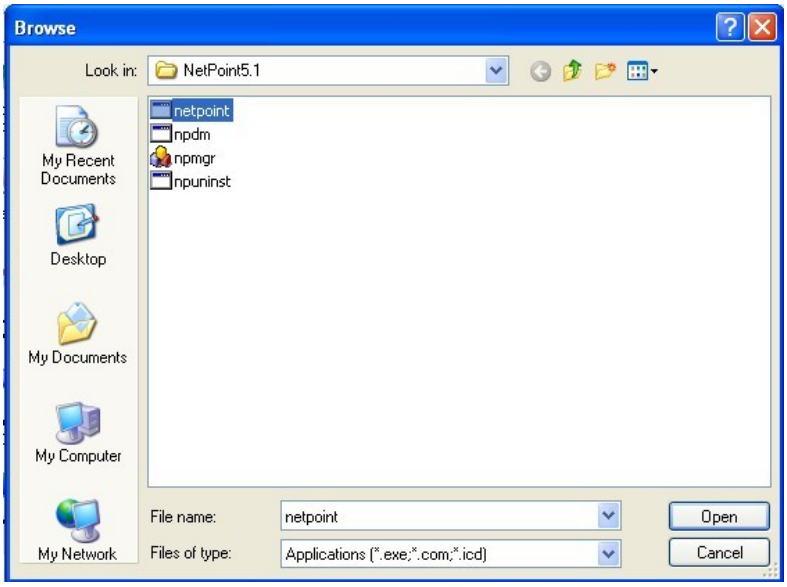
Then select "Exceptions", "Add Program…" tab



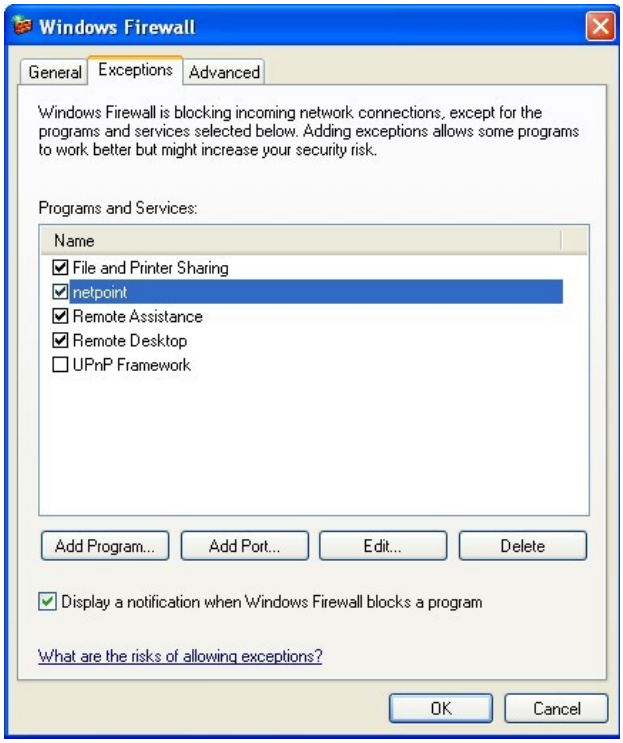
Click “Browse…”tab



Find the “netpoint” program, and then click OK.



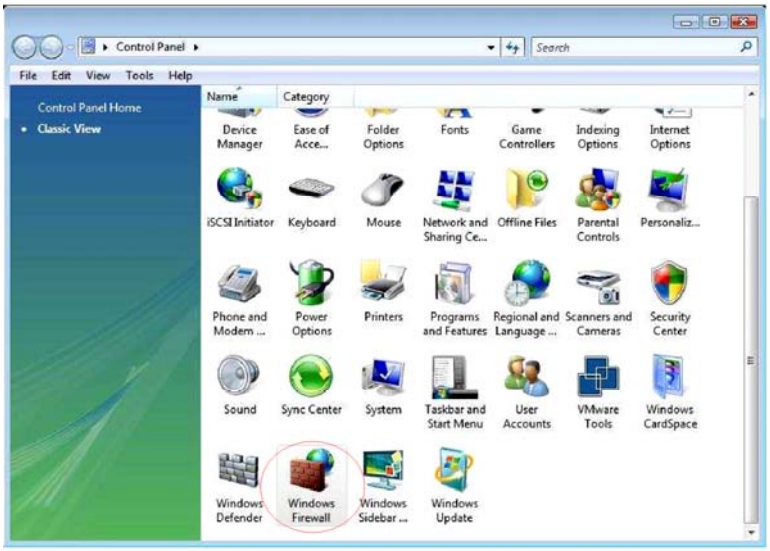
Click the "NetPoint" Check Box and the "Remote Desktop" Check Box and then click "OK" to save.



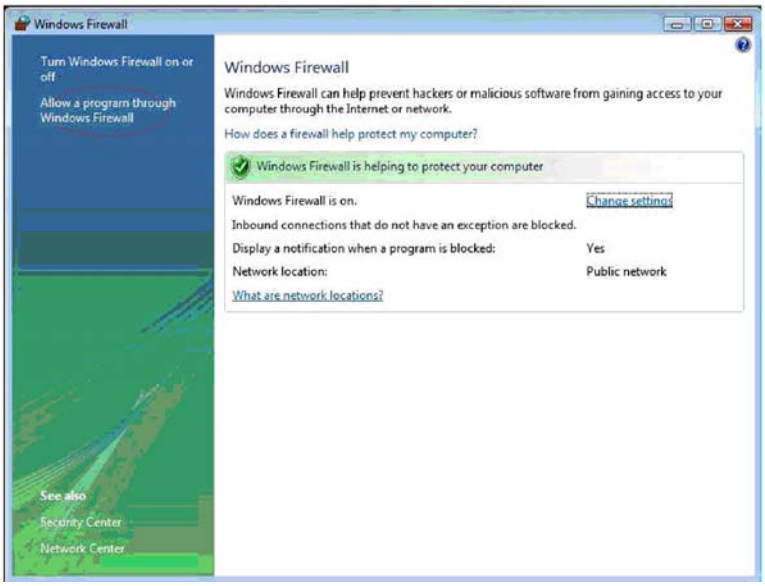
Installation of NetPoint Software and system configuration is now complete. If the product has a microphone jack, you need to install netpointmic program now.

WINDOWS VISTA, WINDOWS 2008

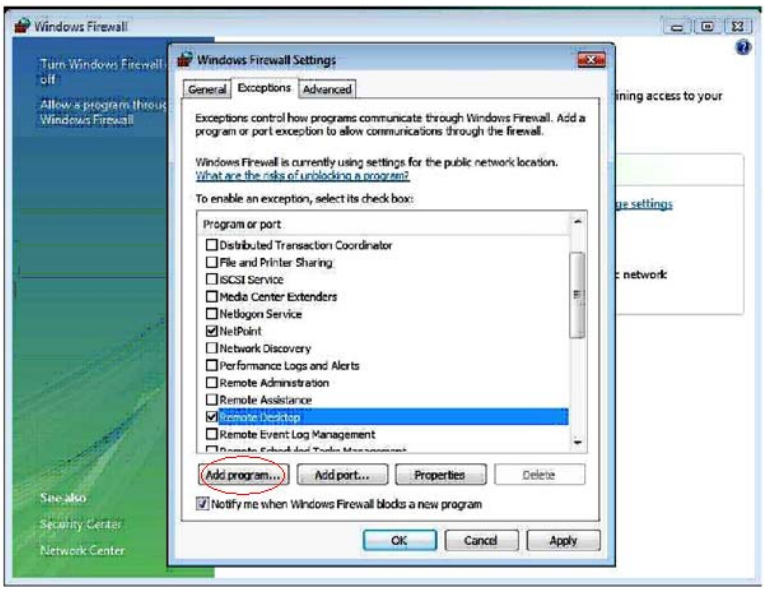
Click “Start”, Click “Control Panel”, Double Click “Windows Firewall”



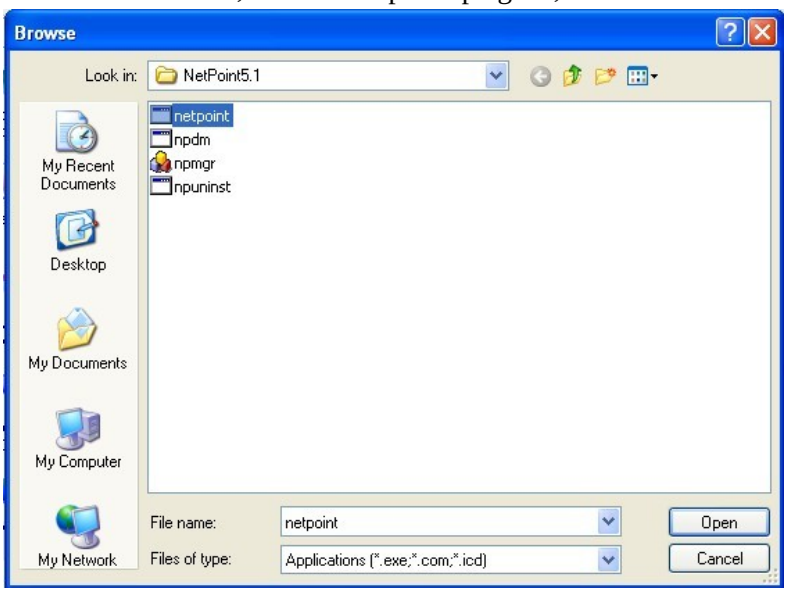
Click “ Allow a program through Windows Firewall”


Windows Firewall
Turn Windows Firewall on or off
Allow a program through Windows Firewall
Windows Firewall
Windows Firewall can help prevent hackers or malicious software from gaining access to your computer through the Internet or network.
How does a firewall help protect my computer?
Windows Firewall is helping to protect your computer
Windows Firewall is on.
Change settings
Inbound connections that do not have an exception are blocked.
Display a notification when a program is blocked:
Yes
Network location:
Public network
What are network locations?
See also
Security Center
Network Center

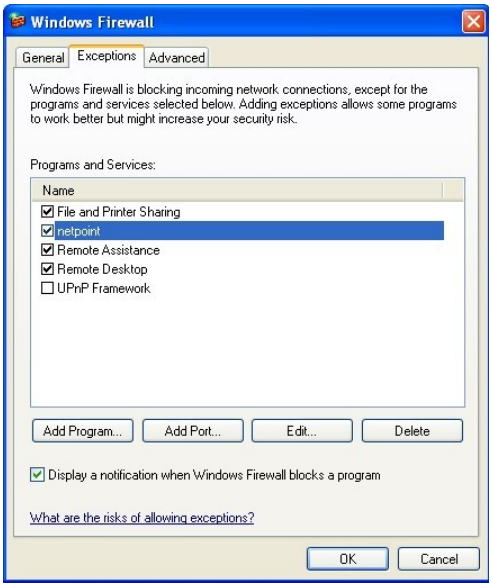
Select “Exceptions”, “Add Program…”



Click “Browse…”tab, find the “netpoint” program, and then click OK.



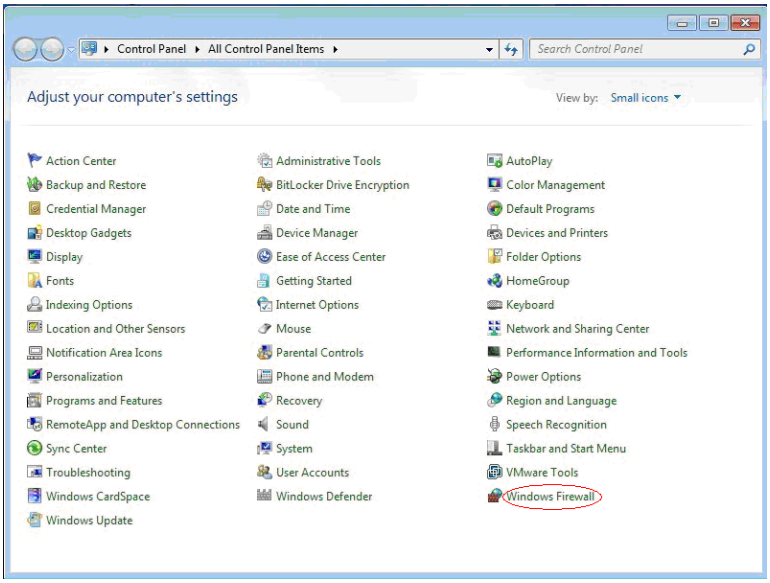
Click the “NetPoint” Check Box and the “Remote Desktop” Check Box and then click “OK” to save.



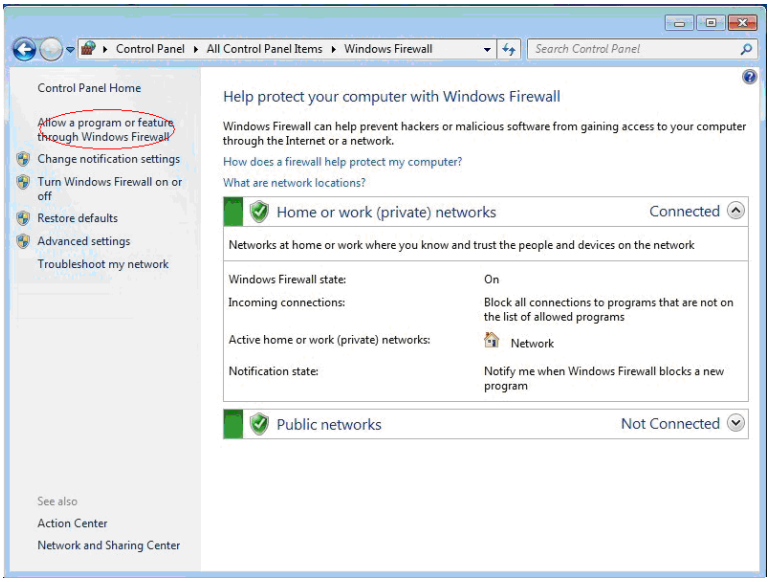
Installation of NetPoint Software and system configuration is now complete. If the product has a microphone jack, you need to install netpointmic program now.

WINDOWS 7

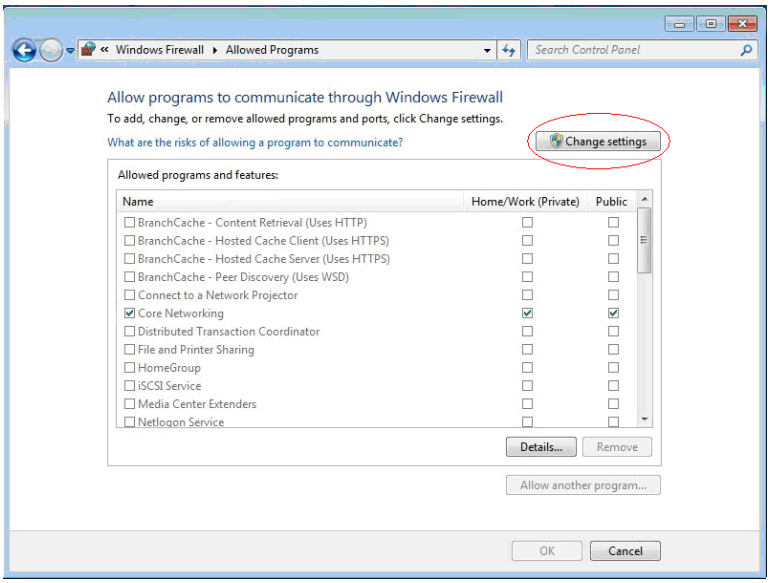
Click "Start", Click "Control Panel", Double Click "Windows Firewall"



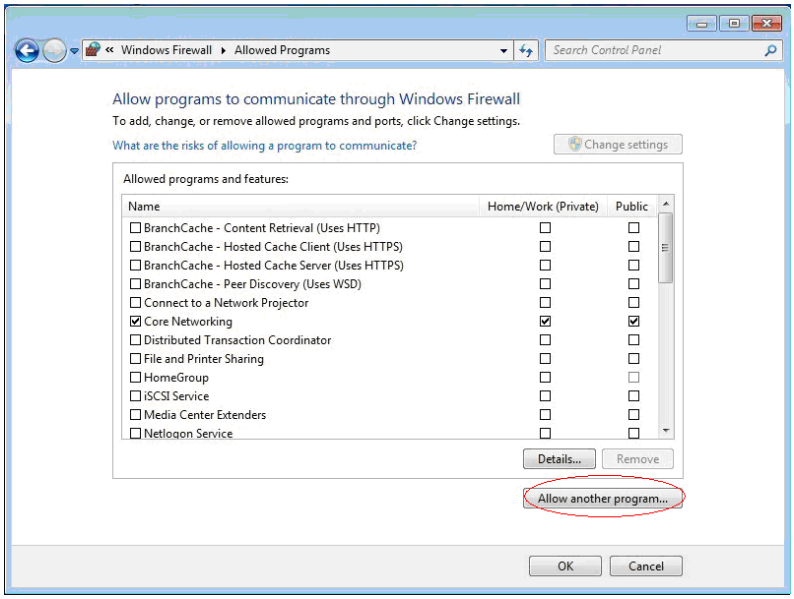
Click " Allow a program or feature through Windows Firewall"


Control Panel ▸ All Control Panel Items ▸ Windows Firewall
Search Control Panel
Control Panel Home
Allow a program or feature through Windows Firewall
Change notification settings
Turn Windows Firewall on or off
Restore defaults
Advanced settings
Troubleshoot my network
Help protect your computer with Windows Firewall
Windows Firewall can help prevent hackers or malicious software from gaining access to your computer through the Internet or a network.
How does a firewall help protect my computer?
What are network locations?
Home or work (private) networks
Connected
Networks at home or work where you know and trust the people and devices on the network
Windows Firewall state:
On
Incoming connections:
Block all connections to programs that are not on the list of allowed programs
Active home or work (private) networks:
Network
Notification state:
Notify me when Windows Firewall blocks a new program
Public networks
Not Connected
See also
Action Center
Network and Sharing Center

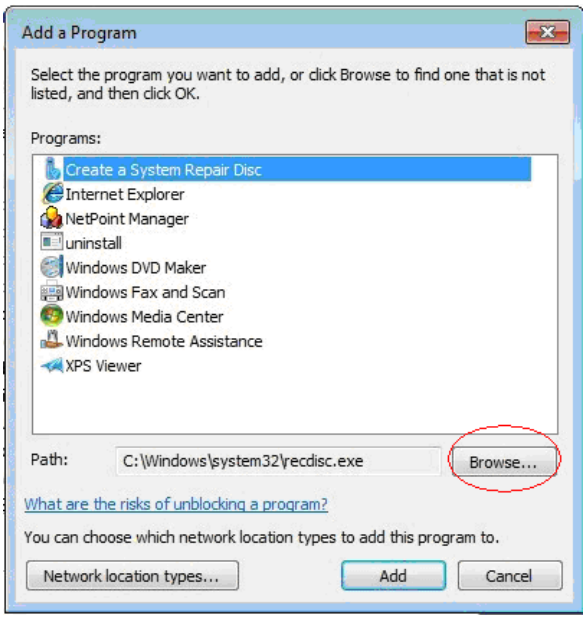
Click “Change settings” tab



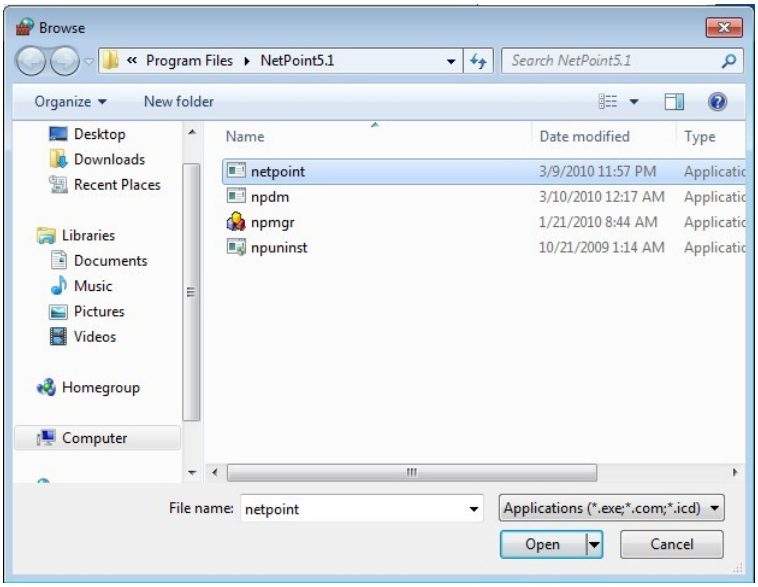
Click “Allow another program…” tab

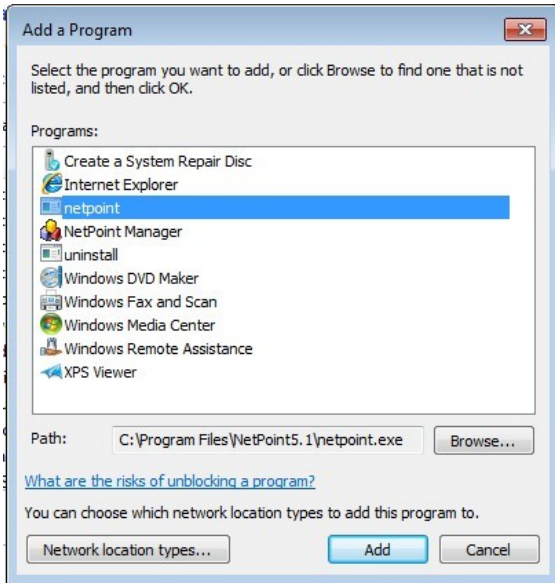


Click “Browse…”tab

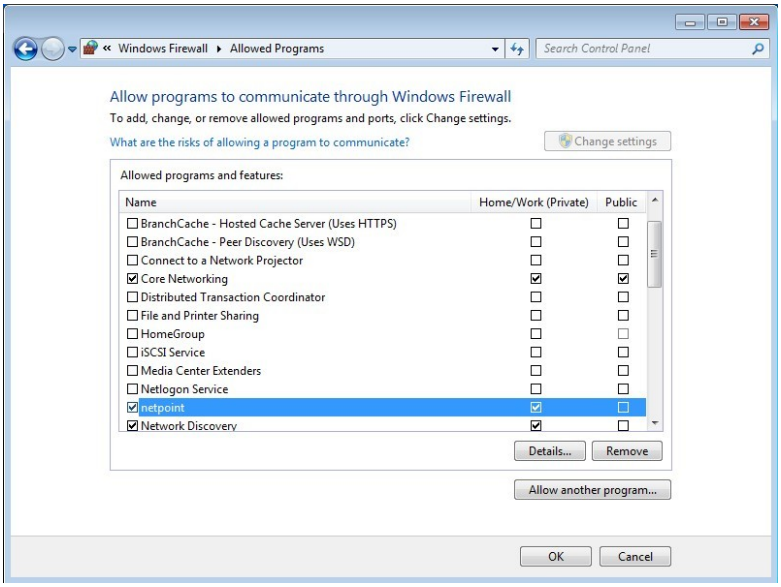


Find the “netpoint” program, and then click OK.





Click the "NetPoint" Check Box and the "Remote Desktop" Check Box and then click "OK" to save.



Installation of NetPoint Software and system configuration is now complete. If the product has a microphone jack, you need to install netpointmic program now.

2.3 Installing NetPointMic Software

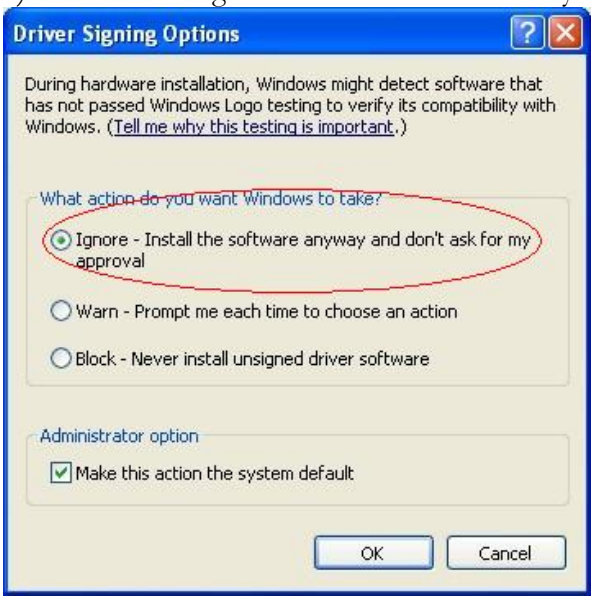
NOTE: Please install NetPointMic Software after your installation of NetPoint Software. NetPointMic Software only works for the devices with microphone, so you don't need to install it if your devices have no microphone function.

Before install NetPointMic, please follow below steps to set your system:

1).Right click "My computer"
2).Then click select "Properties"
3).Then choose "Hardware" tab
4).Then click select "Driver Signing"

System Properties
System Restore
Automatic Updates
Remote
General
Computer Name
Hardware
Advanced
Device Manager
The Device Manager lists all the hardware devices installed on your computer. Use the Device Manager to change the properties of any device.
Device Manager
Drivers
Driver Signing lets you make sure that installed drivers are compatible with Windows. Windows Update lets you set up how Windows connects to Windows Update for drivers.
Driver Signing
Windows Update
Hardware Profiles
Hardware profiles provide a way for you to set up and store different hardware configurations.
Hardware Profiles
OK
Cancel
Apply

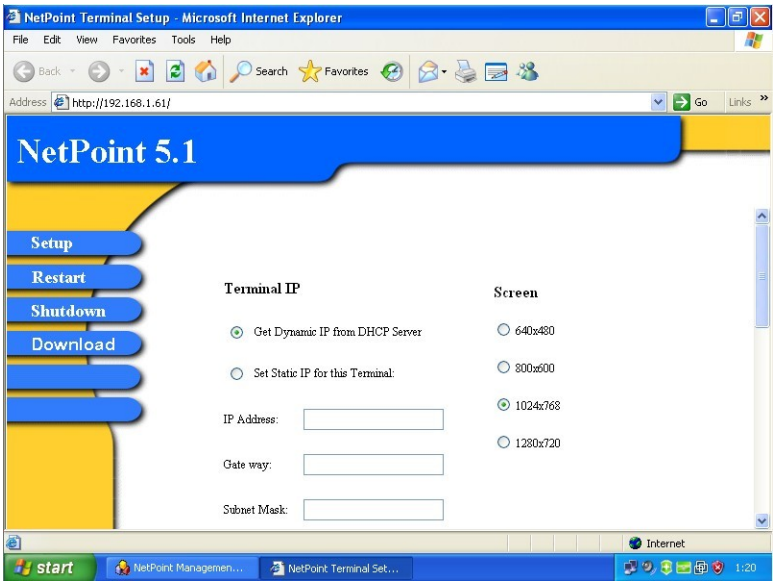
5).Then choose "Ignore—Install the software anyway and don't ask for my approval.


Driver Signing Options
During hardware installation, Windows might detect software that has not passed Windows Logo testing to verify its compatibility with Windows. (Tell me why this testing is important.)
What action do you want Windows to take?
Ignore - Install the software anyway and don't ask for my approval
Warn - Prompt me each time to choose an action
Block - Never install unsigned driver software
Administrator option
Make this action the system default
OK
Cancel

6).When done, click OK

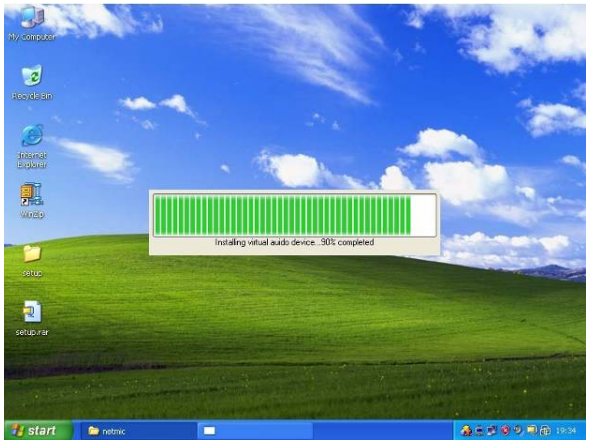
1. Turn on SUNDE Terminal and wait until all lights are on.
2. On the Host PC, open a browser (e.g. IE), input the IP address of the terminal, the NetPoint Terminal Setup page will appear.

   Note: You can get the terminal's IP address on the left bottom of the terminal's logon page.
3. Under the NetPoint Terminal Setup page, chick "Download" to download the installation program to the desktop(or any other directory) of the host..



4. Double click “netpointmic1.0.exe”. Follow the wizard. After installation, restart the computer.

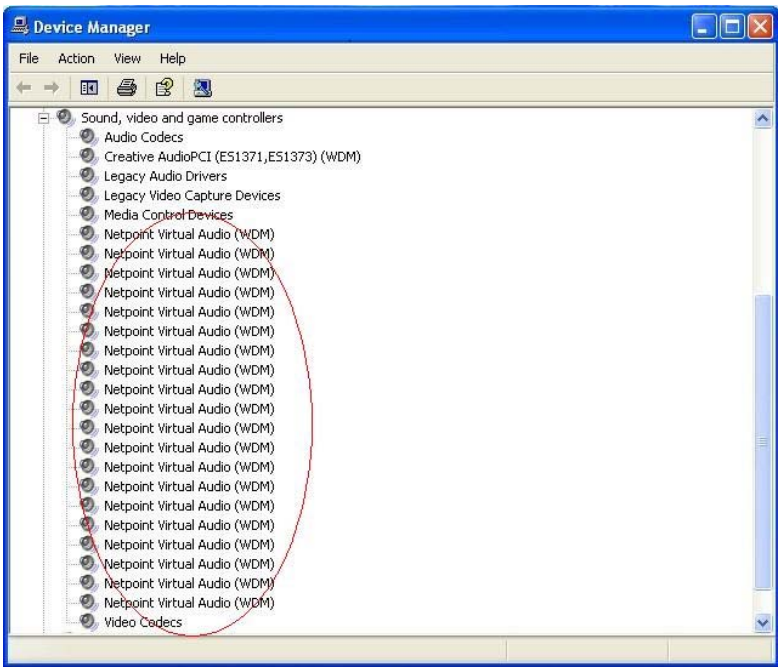
Installing NetPointMic
Welcome to the NetPointMic Installation!
This setup program will install NetPointMic on your computer. Click Cancel if you do not want to install this application. Click Next to continue the installation.
WARNING: This program is protected by international copyright law and treaties.
Unauthorized reproduction or distribution of this program, or any portion of it, may result in severe civil and criminal penalties and will be prosecuted to the maximum extent of the law.
CreateInstall Free
Next >
Cancel



5. The installation will take a few minutes. Do not restart computer before all the 20 netpoint Virtual Audio devices installed.

After installation, you must restart the computer.

6. When the installation finished, there will be 20 drivers of NetPoint Virtual Audio Devices in your Device Manager. If the installed numbers are not enough of 20, please re-install the netpointmic.

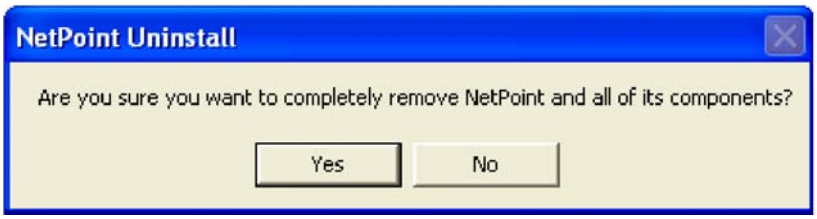


2.4 Uninstall NetPoint

If you have installed netpointmic, please uninstall it before this step.

Click Start , All Programs, and NetPoint 5.1 and then click "Uninstall ".

When NetPoint remove wizard window appears, click "Yes".



Click "OK" to complete the uninstallation.

Restart your computer.

2.5 Uninstall NetPointMic

Click Start , All Programs, and NetPointMic and then click “Uninstall ”.

After uninstallation, you must restart the computer.

After you uninstall it, please check your Device Manager if the drivers of NetPoint Virtual Audio are fully removed.Otherwise you need to uninstall again.

3. IP Address Setting

There are two IP address will be setup. One is terminal’s Local IP, the other one is Server’s IP.

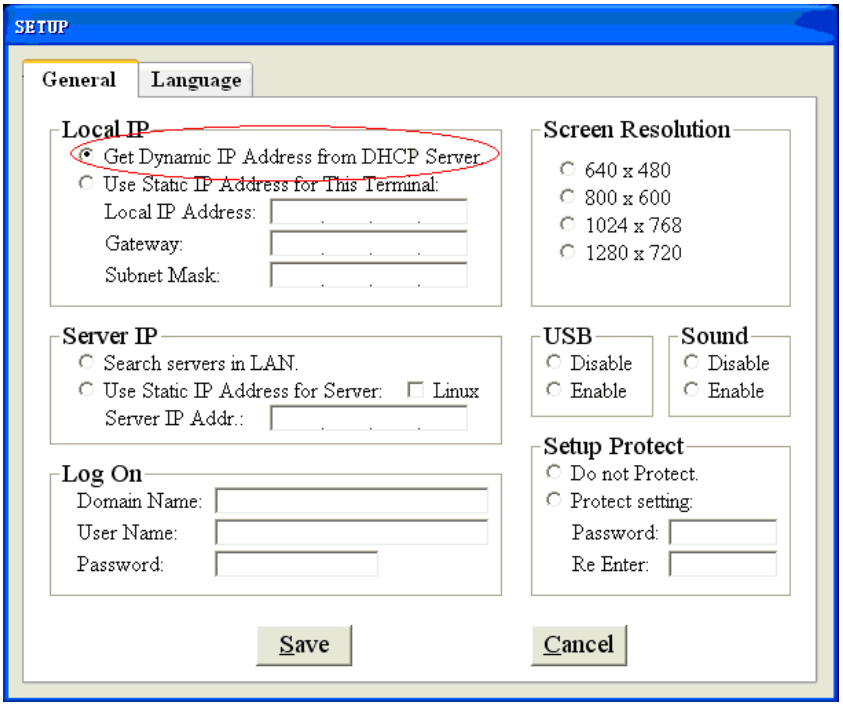
3.1 Setting Terminal’s IP Address

There are two ways to setup the Terminal’s IP address.

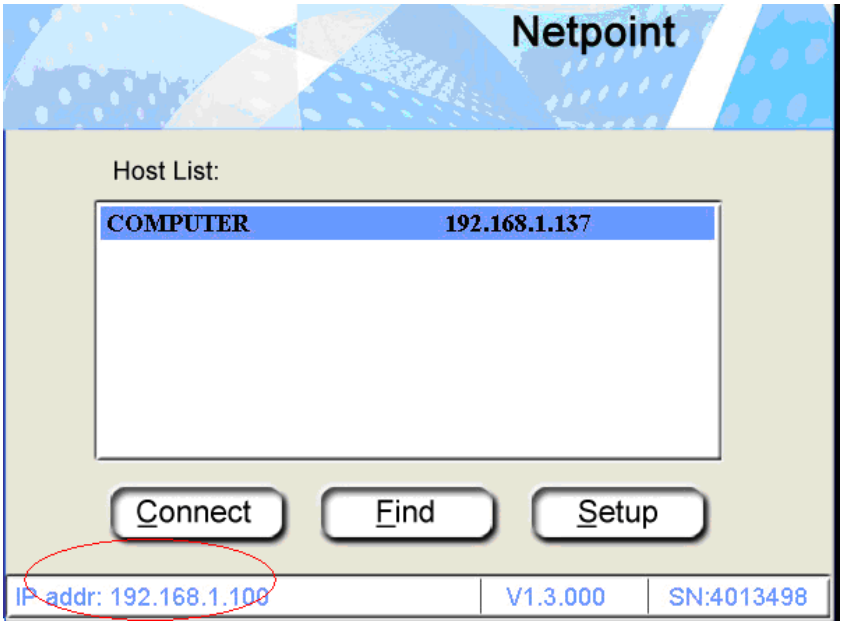
GET DYNAMIC IP ADDRESS FROM DHCP SERVER

"Dynamic Host Configuration Protocol” (DHCP) is an IP standard designed to reduce the complexity of administering IP address configurations. A DHCP server would be set up with the appropriate settings for a given network. Such settings would include a set of fundamental parameters such as the gateway, DNS, subnet masks, and a range of IP addresses. Using DHCP on a network means administrators need not configure these settings individually for each client on the network. The DHCP would automatically distribute them to the clients itself. As to how a DHCP server is setup is beyond the scope of this user manual. However, when the network terminal is connected to a Network having a DHCP server, the settings for the Terminals would be as follows

Click “Setup”, select “General”tab, choose “Get Dynamic IP Address from DHCP Server”, and choose “Search Servers in LAN”. Click “Save” to exit.



Click “Find” The Terminal would detect the DHCP server and obtain the IP address and the User Interface will appear for Connect.



USE STATIC IP ADDRESS FOR THE TERMINAL

This would be an option exercised by users not employing a network server environment, though windows XP and Vista are capable of being used as DHCP servers. In a small office environment using less than 10 Terminals, this option would be more convenient.

Turn on the Network terminal.

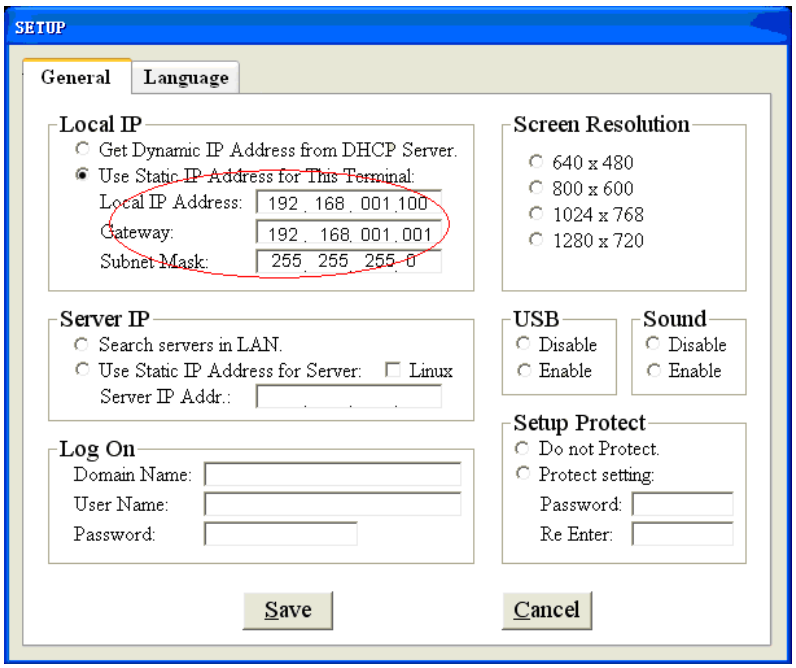
Click the "Setup" In the "Local IP" " tab, check "Use Static IP Address for This Terminal".

1. Set Local IP: Give the Network Terminal an IP address of its own here. The easy way to do it is give it an IP address after adding 1 to the last number of IP address you gave to the Host PC. Then you can continue adding 2, 3... as you add more Terminals to the network. Each Terminal must have a Unique IP address.

2. Gateway: This is the IP address of the Host PC. The Host PC becomes the gateway to the terminal for accessing any of the LAN resources. So mention exactly the Host PC IP address here.

3. Sub Mask: You can give 255.255.255.0 or 255.255.0.0 or even leave this blank.

In the "Server IP " tab, select "Search servers in LAN". Click "Save" to save.

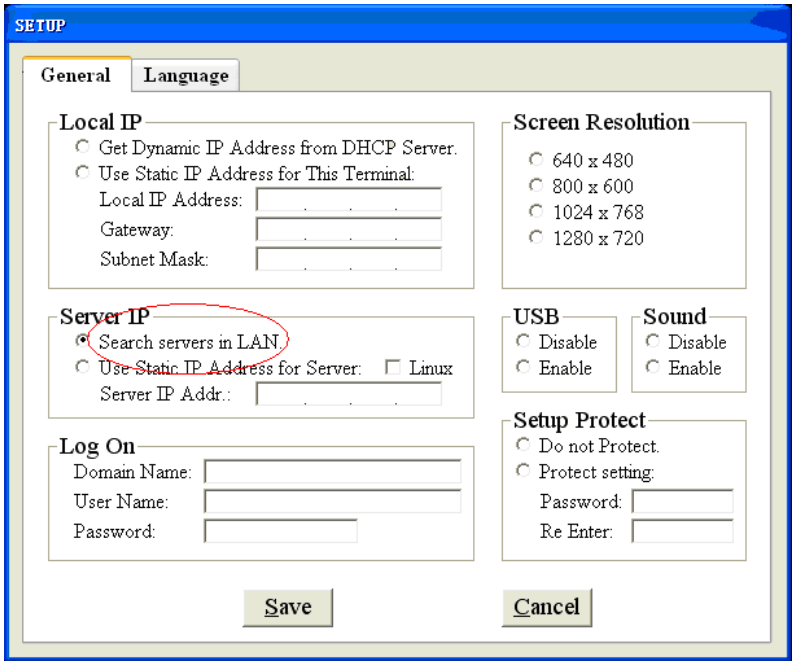


3.2 Setting Server's IP Address

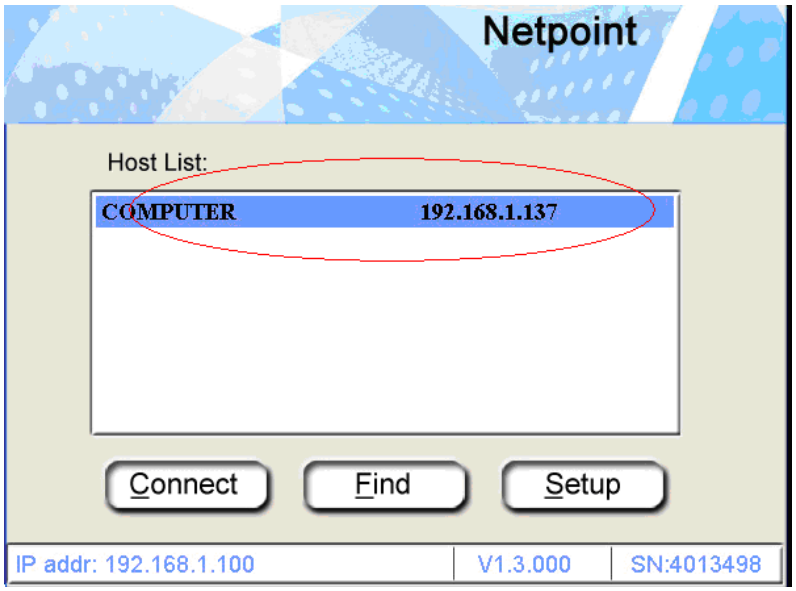
There are two ways to setup the server's IP address.

SEARCH SERVERS IN LAN

If the server is in the same LAN with the terminal, the terminal can search the LAN and find the server itselef by set the server IP as "Search servers in LAN".



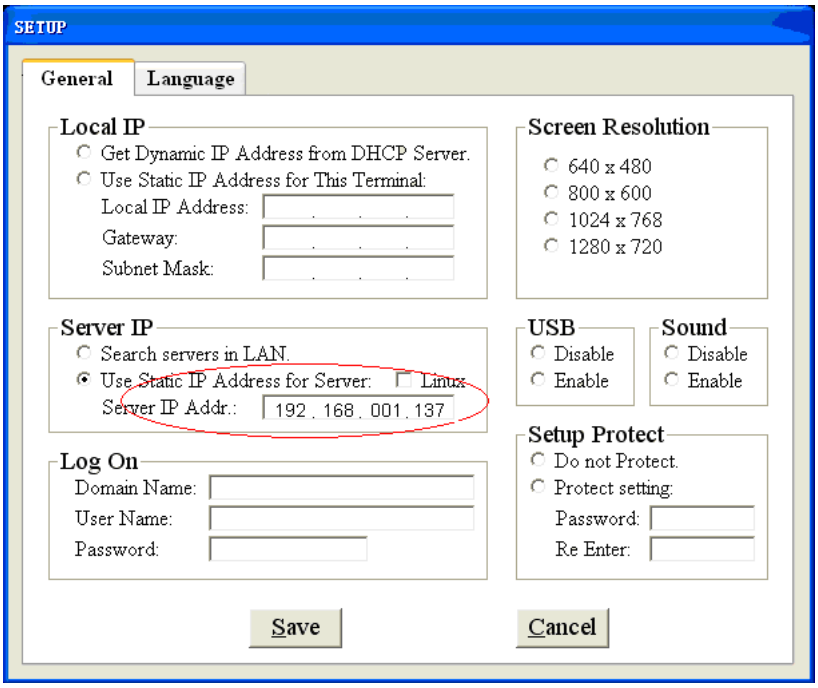
After setup terminal's Local IP, just click "find", it will find all the servers in the LAN.



Click "Find" and after the Host is detected, Click "Connect".

USE STATIC IP FOR SERVER

You can setup the server's static so that to logon the server directly after power on. If the server is not in a LAN, or it is a Linux Server, you have to setup the IP address for the server by this way. If it's a Linux server, you also need select the Linux CheckBox.



After save, the terminal will restart, and windows Log will appear on screen.

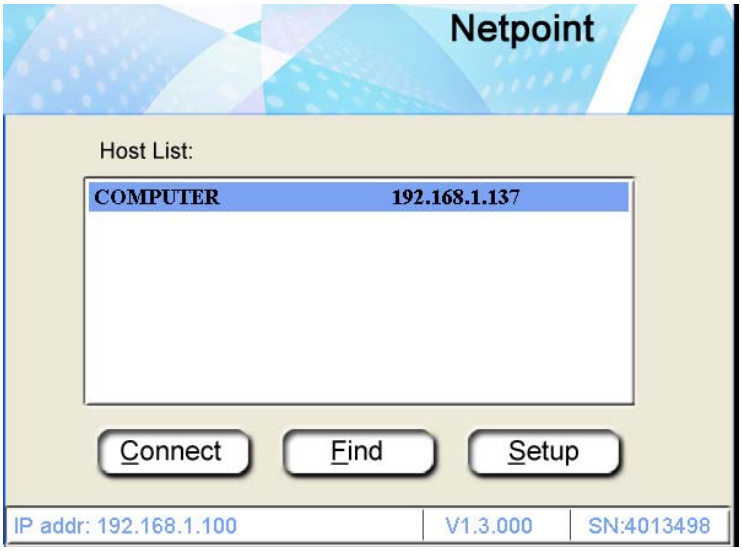
4. Terminal Configuration

4.1 Setting Screen Resolution

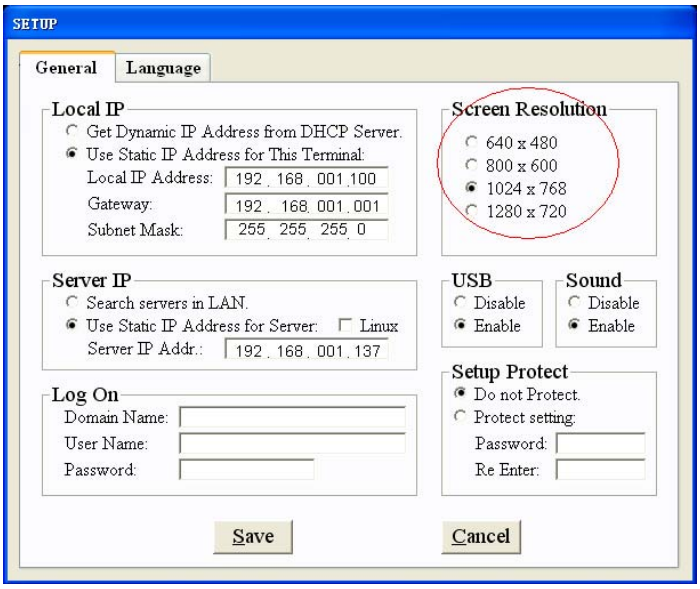
NT will auto select the screen resolution from hardware attached to it, which would be the default resolution. Users can change this default to one of their choice. NT supports the following resolutions,

To change screen resolution:

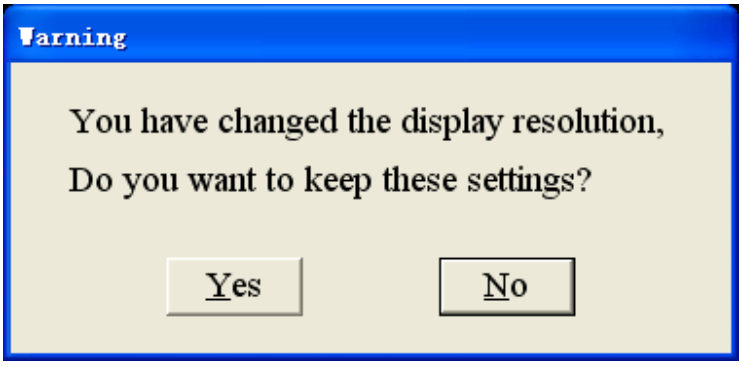
Click “Setup”, select “General”tab,



Under the "Screen Resolution" tab, select the desired screen resolution. Click "Save".

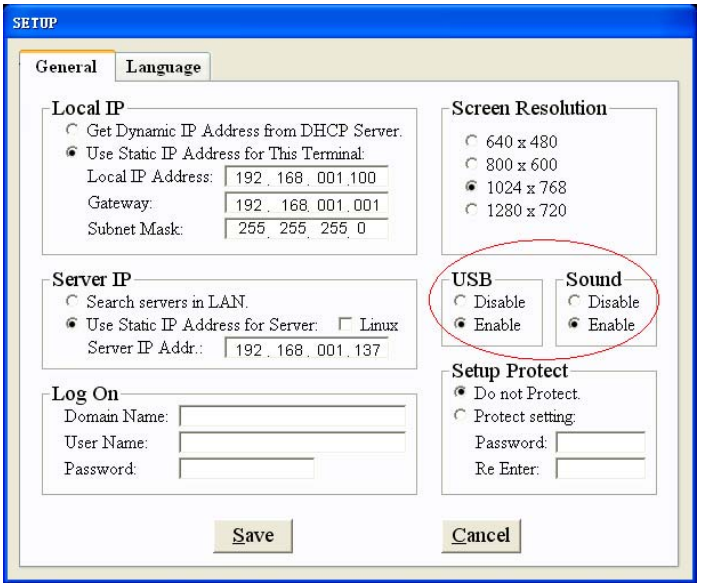


After restart, your desktop has been reconfigured. If you can see this display and accept, click "Yes" to keep these settings. Otherwise, if your display cannot support this configuration, maybe you can see nothing. Just press F2, it will go back to the previous configuration.



4.2 Peripheral device setting

Click "Setup", select "General"tab, on the Peripherals Tab you can Enable or Disable USB (SUNDE 880L\SUNDE M-HX1U\ SUNDE M-HM1U has this function), Local Sound. When done, click "Save".



USB Setup

The USB is of version 1.1 and Version 2.0 is under development. It is primarily to provide the user a means to copy, save and transport data. It cannot handle high speed USB Peripherals. Adequate care has to be taken for safety of data in the USB. It can be plugged in when the system is ON but to pull it out, please log out from Host PC or switch of the Terminal, otherwise it may be harmful to data on the Host Computer. During initial use, the USB may need to be plugged in and out a few times to establish proper contact.

This option can control the Enable/ Disable access of the USB disk, SUNDE 880L\SUNDE M-HX1U\ SUNDE M-HM1U has this function. When you choose Enable, you can access the USB disk; otherwise, you can not.

Note
When logon to host PC, you can plug in a USB disk at anytime, after plug in, please wait for 5 seconds before access it by clicking the "Network Driver" icon in "My Computer".
If you want to plug it out, make sure to logout or just disconnect from the host PC, and then plug it out. Otherwise the data maybe damaged!

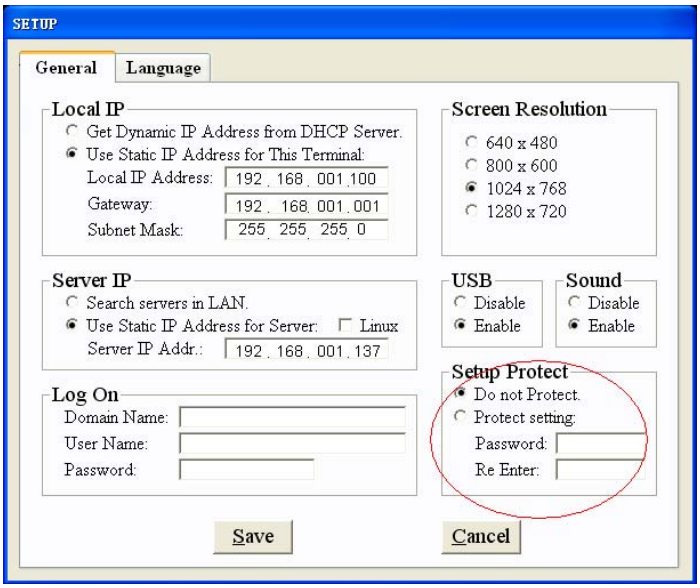
Local Sound setting
This option can control the Enable/ Disable use of the Local Sound.

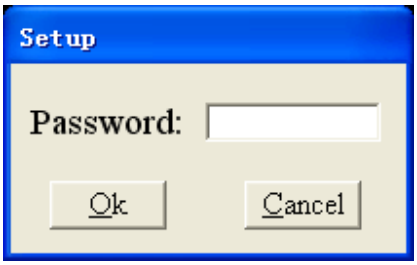
4.3 Setting up Protect Setting

Setting Password
Click "Setup", select "General"tab,

Input the Password you want to use.

Click "Save" Please remember the Password or you may not be able to access the NT without the Password.

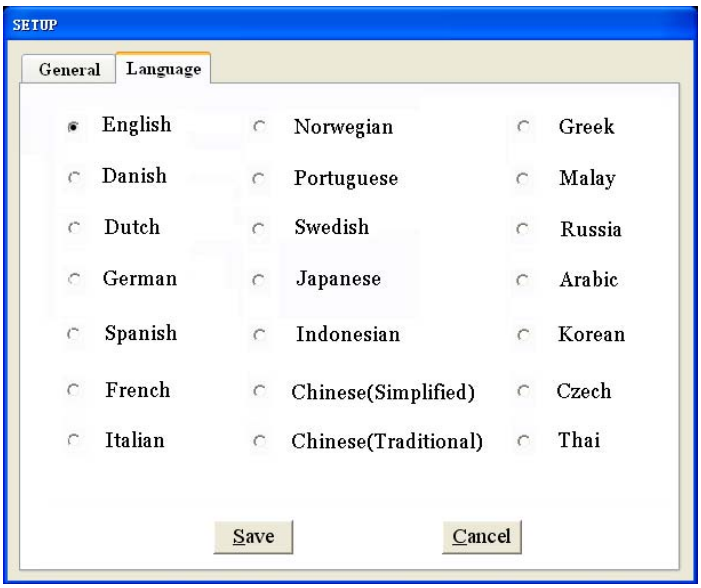




When you switch ON the Network Terminal, it will prompt for the Password.

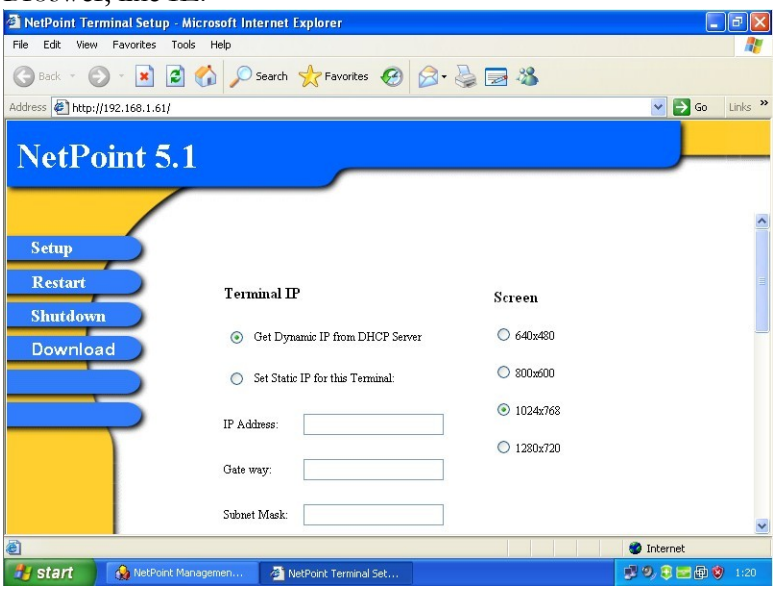
4.4 Setting up Default Region

This will be effect after logon to a Windows System. Click "Setup", select "Language tab", Choose the language you need. When done, click "Save".



4.5 Setting up Terminal through Web Broswer

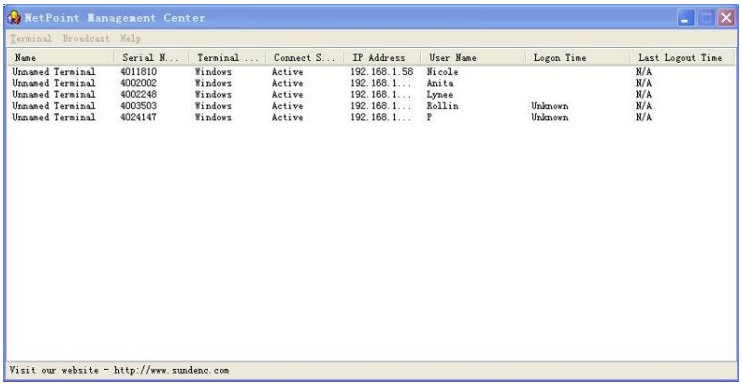
You can set up a terminal from remote site by input the IP address of the terminal in a Web Broswer, like IE.



5. Terminal Management

5.1 Running NetPoint Management Center

Using NetPoint Management Center you can control the SUNDE terminal.
To run NetPoint Console, click the NetPoint Console icon on the taskbar, then select "restore window".


NetPoint Management Center
Terminal Broadcast Help
Name Serial N... Terminal ... Connect S... IP Address User Name Logon Time Last Logout Time
Unnamed Terminal 4011810 Windows Active 192.168.1.58 Nicole N/A
Unnamed Terminal 4002002 Windows Active 192.168.1... Anita N/A
Unnamed Terminal 4002248 Windows Active 192.168.1... Lynee N/A
Unnamed Terminal 4003503 Windows Active 192.168.1... Rollin Unknown N/A
Unnamed Terminal 4024147 Windows Active 192.168.1... P Unknown N/A
Visit our website - http://www.sundenc.com

5.2 Functions of NetPoint Management Center

- **Status**

You can see the status of the SUNDE terminal when connected to the Host PC.

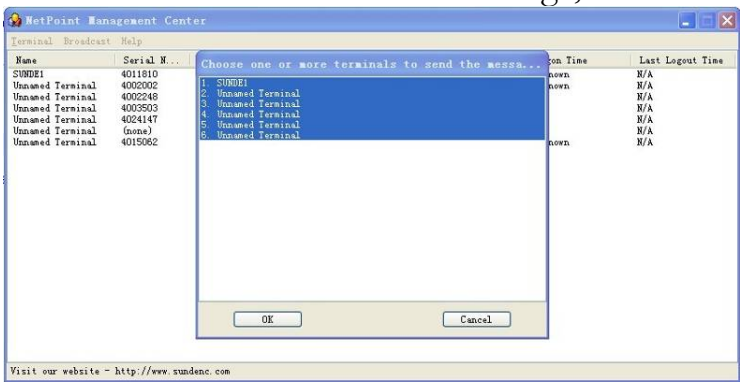
- **Rename**

For management purposes, you can setup the names for the terminals.

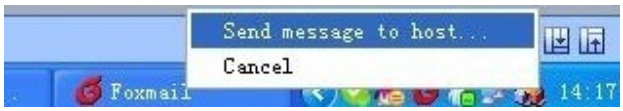
Right-click the terminal need to rename, then select "Rename". Or in the menu bar select "Terminal"--"Rename".

- **Send Message**

The Host PC can send message to any one or all of the terminals.
In the menu bar select "Broadcast "----" Broadcast a message every terminal", enter the content of the message and click "OK"
Select the terminal to send the message, click "OK" when finished sending.



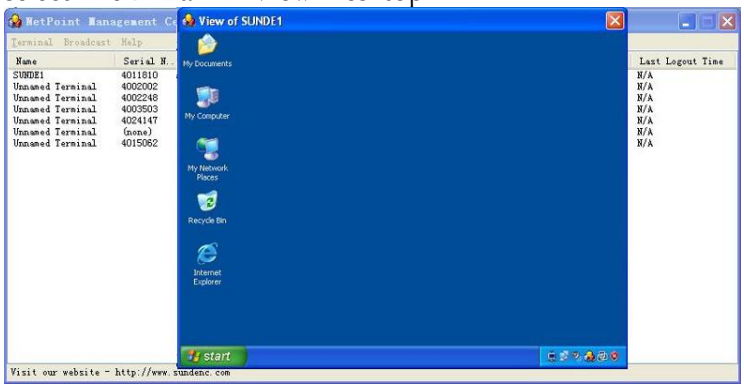
The terminals can only send message to Host PC. To send message, right click the NetPoint Console icon on the taskbar of a terminal.



- **View Screen**

Through the Host PC's console, you can view the screen of the SUNDE terminal selected. Set up your View Screen menu from the NetPoint Management Center.

Right-click the terminal which you want to monitor, select "View Desktop". Or in the menu, select "Terminal" - "View Desktop"

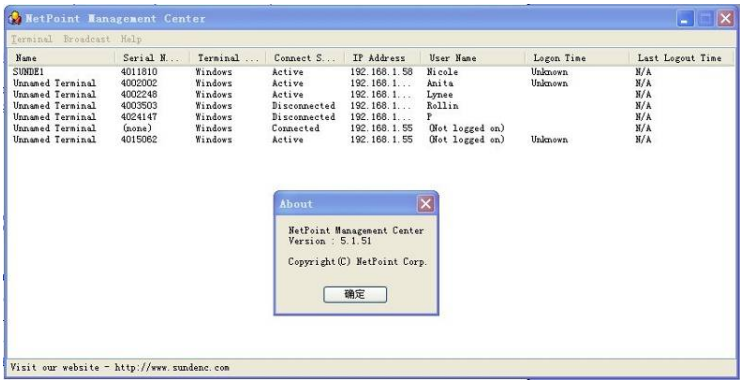


- **Force logoff**

An administrator can force logoff the terminal have been landing system. Right-click the terminal you need to force it logoff, select "Force logoff". Or in the menu, select "Terminal" - "Force logoff ". In the pop-up warning message, select "YES" to confirm.

- **Information**

Shows the version information of the software.
In the menu, select "Help" - "About"


NetPoint Management Center
Terminal Broadcast Help
Name Serial N... Terminal ... Connect S... IP Address User Name Logon Time Last Logout Time
SUNDE1 4011810 Windows Active 192.168.1.58 Nicole Unknown N/A
Unnamed Terminal 4002002 Windows Active 192.168.1... Anita Unknown N/A
Unnamed Terminal 4002248 Windows Active 192.168.1... Lynee N/A
Unnamed Terminal 4003503 Windows Disconnected 192.168.1... Rollin N/A
Unnamed Terminal 4024147 Windows Disconnected 192.168.1... P N/A
Unnamed Terminal (none) Windows Connected 192.168.1.55 (Not logged on) N/A
Unnamed Terminal 4015062 Windows Active 192.168.1.55 (Not logged on) Unknown N/A
About
NetPoint Management Center
Version : 5.1.51
Copyright(C) NetPoint Corp.
确定
Visit our website - http://www.sundenc.com

6. Configuration with Linux OS

6.1 Installation of RDP Server in Ubuntu Linux System

A. Configure apt

Follow these steps to configure apt:

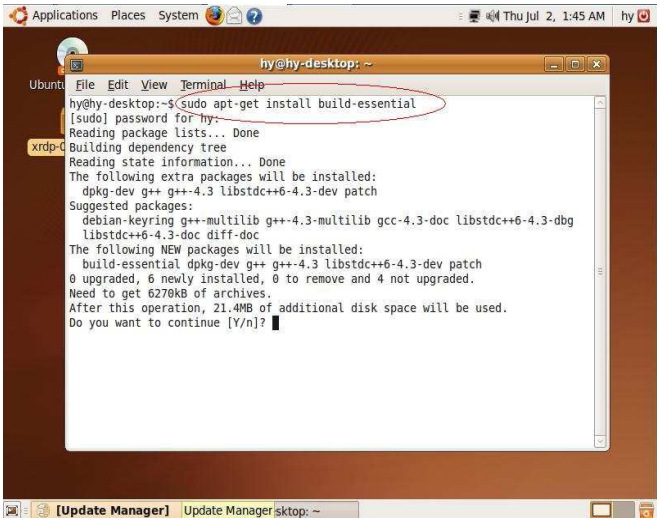
1.. sudo apt-get update

2. sudo apt-get upgrade

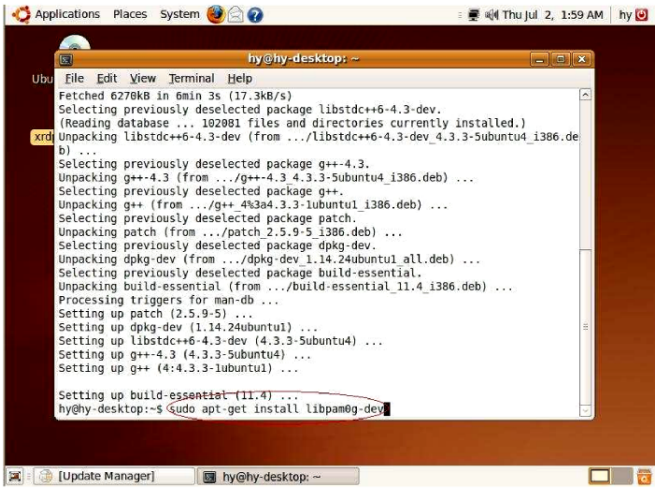
Complete the system update. Restart the computer.

Applications Places System
Thu Jul 2, 1:36 AM hy
Ubuntu 9.04 i386
xrdp-0.4.1.tar.gz
Restart Required
Restart Required
In order to complete the update of your system it needs to be restarted.
Until you do so, security updates may not be fully applied, newly inserted or supported hardware may not function and new services may not be available.
Please make sure that you save all of your work before restarting.
Restart Later
Restart Now
[Update Manager]
Restart Required
[hy@hy-desktop: ~]

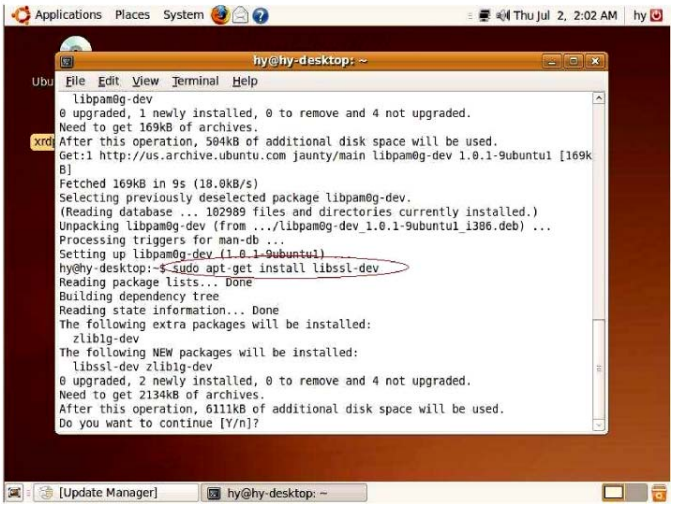
3. sudo apt-get install build-essential


Applications Places System
Thu Jul 2, 1:45 AM
hy
hy@hy-desktop: ~
File Edit View Terminal Help
hy@hy-desktop:~$ sudo apt-get install build-essential
[sudo] password for hy:
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following extra packages will be installed:
dpkg-dev g++ g++-4.3 libstdc++6-4.3-dev patch
Suggested packages:
debian-keyring g++-multilib g++-4.3-multilib gcc-4.3-doc libstdc++6-4.3-dbg
libstdc++6-4.3-doc diff-doc
The following NEW packages will be installed:
build-essential dpkg-dev g++ g++-4.3 libstdc++6-4.3-dev patch
0 upgraded, 6 newly installed, 0 to remove and 4 not upgraded.
Need to get 6270kB of archives.
After this operation, 21.4MB of additional disk space will be used.
Do you want to continue [Y/n]?
[Update Manager]
Update Manager

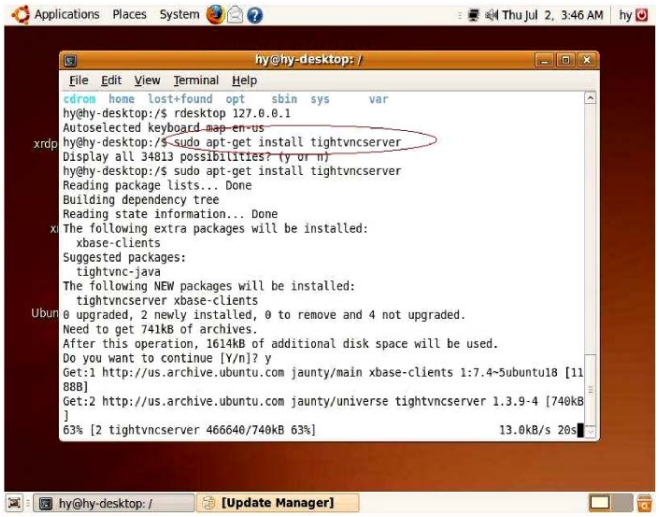
4. sudo apt-get install libpam0g-dev


Applications Places System
Thu Jul 2, 1:59 AM
hy
hy@hy-desktop: ~
File Edit View Terminal Help
Fetched 6270kB in 6min 3s (17.3kB/s)
Selecting previously deselected package libstdc++6-4.3-dev.
(Reading database ... 102081 files and directories currently installed.)
Unpacking libstdc++6-4.3-dev (from .../libstdc++6-4.3-dev_4.3.3-5ubuntu4_i386.deb) ...
Selecting previously deselected package g++-4.3.
Unpacking g++-4.3 (from .../g++-4.3_4.3.3-5ubuntu4_i386.deb) ...
Selecting previously deselected package g++.
Unpacking g++ (from .../g++_4%3a4.3.3-1ubuntu1_i386.deb) ...
Selecting previously deselected package patch.
Unpacking patch (from .../patch_2.5.9-5_i386.deb) ...
Selecting previously deselected package dpkg-dev.
Unpacking dpkg-dev (from .../dpkg-dev_1.14.24ubuntu1_all.deb) ...
Selecting previously deselected package build-essential.
Unpacking build-essential (from .../build-essential_11.4_i386.deb) ...
Processing triggers for man-db ...
Setting up patch (2.5.9-5) ...
Setting up dpkg-dev (1.14.24ubuntu1) ...
Setting up libstdc++6-4.3-dev (4.3.3-5ubuntu4) ...
Setting up g++-4.3 (4.3.3-5ubuntu4) ...
Setting up g++ (4:4.3.3-1ubuntu1) ...
Setting up build-essential (11.4) ...
hy@hy-desktop:~$ sudo apt-get install libpam0g-dev
[Update Manager]
hy@hy-desktop: ~

5. sudo apt-get install libssl-dev


Applications Places System
Thu Jul 2, 2:02 AM hy
hy@hy-desktop: ~
File Edit View Terminal Help
libpam0g-dev
0 upgraded, 1 newly installed, 0 to remove and 4 not upgraded.
Need to get 169kB of archives.
After this operation, 504kB of additional disk space will be used.
Get:1 http://us.archive.ubuntu.com jaunty/main libpam0g-dev 1.0.1-9ubuntu1 [169kB]
Fetched 169kB in 9s (18.0kB/s)
Selecting previously deselected package libpam0g-dev.
(Reading database ... 102989 files and directories currently installed.)
Unpacking libpam0g-dev (from .../libpam0g-dev_1.0.1-9ubuntu1_i386.deb) ...
Processing triggers for man-db ...
Setting up libpam0g-dev (1.0.1-9ubuntu1) ...
hy@hy-desktop:~$ sudo apt-get install libssl-dev
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following extra packages will be installed:
zlib1g-dev
The following NEW packages will be installed:
libssl-dev zlib1g-dev
0 upgraded, 2 newly installed, 0 to remove and 4 not upgraded.
Need to get 2134kB of archives.
After this operation, 6111kB of additional disk space will be used.
Do you want to continue [Y/n]?
[Update Manager]
hy@hy-desktop: ~

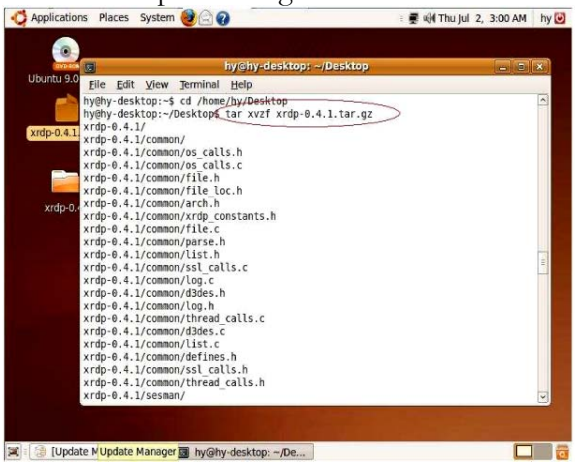
6. sudo apt-get install tightvncserver


Applications Places System
Thu Jul 2, 3:46 AM hy
hy@hy-desktop: /
File Edit View Terminal Help
cdrom home lost+found opt sbin sys var
hy@hy-desktop:/$ rdesktop 127.0.0.1
Autoselected keyboard map en-us
hy@hy-desktop:/$ sudo apt-get install tightvncserver
Display all 34813 possibilities? (y or n)
hy@hy-desktop:/$ sudo apt-get install tightvncserver
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following extra packages will be installed:
xbase-clients
Suggested packages:
tightvnc-java
The following NEW packages will be installed:
tightvncserver xbase-clients
0 upgraded, 2 newly installed, 0 to remove and 4 not upgraded.
Need to get 741kB of archives.
After this operation, 1614kB of additional disk space will be used.
Do you want to continue [Y/n]? y
Get:1 http://us.archive.ubuntu.com jaunty/main xbase-clients 1:7.4-5ubuntu18 [1188B]
Get:2 http://us.archive.ubuntu.com jaunty/universe tightvncserver 1.3.9-4 [740kB]
63% [2 tightvncserver 466640/740kB 63%] 13.0kB/s 20s
hy@hy-desktop: /
[Update Manager]

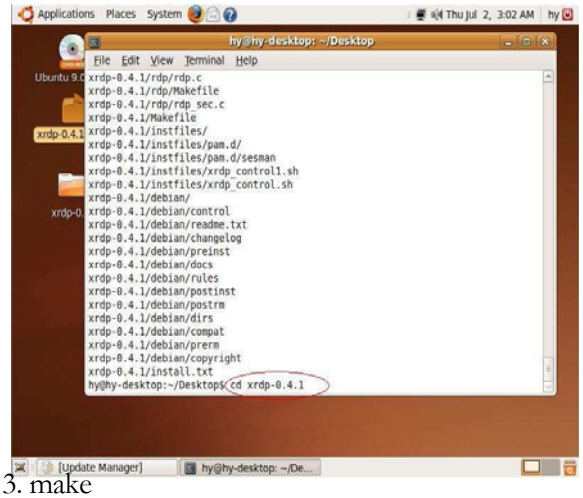
B. install xrdp-0.4.1

Follow these steps to install xrdp-0.4.1:

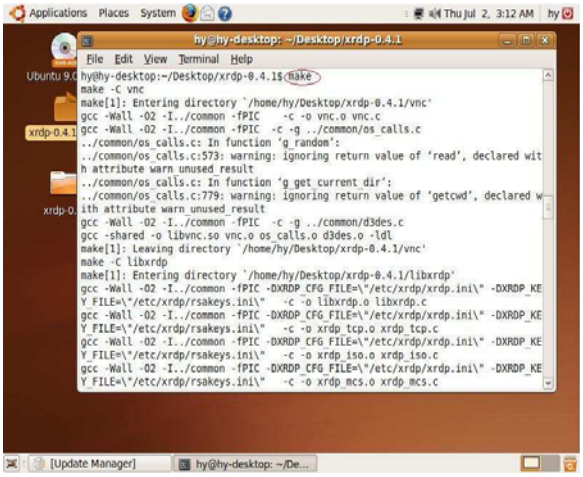
1. tar xvzf xrdp-0.4.1.tar.gz



2. cd xrdp-0.4.1



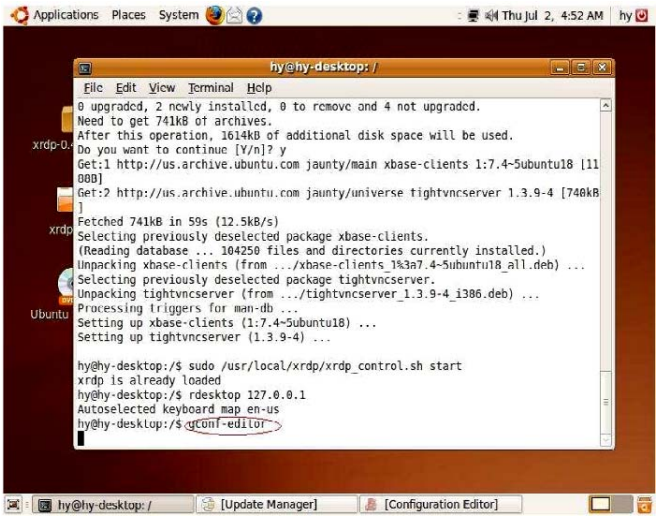
3. make


Applications Places System
Thu Jul 2, 3:12 AM
hy@hy-desktop: ~/Desktop/xrdp-0.4.1
File Edit View Terminal Help
hy@hy-desktop:~/Desktop/xrdp-0.4.1$ make
make -C vnc
make[1]: Entering directory `/home/hy/Desktop/xrdp-0.4.1/vnc'
gcc -Wall -O2 -I../common -fPIC -c -o vnc.o vnc.c
gcc -Wall -O2 -I../common -fPIC -c -g ../common/os_calls.c
../common/os_calls.c: In function 'g_random':
../common/os_calls.c:573: warning: ignoring return value of 'read', declared with attribute warn_unused_result
../common/os_calls.c: In function 'g_get_current_dir':
../common/os_calls.c:779: warning: ignoring return value of 'getcwd', declared with attribute warn_unused_result
gcc -Wall -O2 -I../common -fPIC -c -g ../common/d3des.c
gcc -shared -o libvnc.so vnc.o os_calls.o d3des.o -ldl
make[1]: Leaving directory `/home/hy/Desktop/xrdp-0.4.1/vnc'
make -C libxrdp
make[1]: Entering directory `/home/hy/Desktop/xrdp-0.4.1/libxrdp'
gcc -Wall -O2 -I../common -fPIC -DXRDP_CFG_FILE=\"/etc/xrdp/xrdp.ini\" -DXRDP_KEY_FILE=\"/etc/xrdp/rsakeys.ini\" -c -o libxrdp.o libxrdp.c
gcc -Wall -O2 -I../common -fPIC -DXRDP_CFG_FILE=\"/etc/xrdp/xrdp.ini\" -DXRDP_KEY_FILE=\"/etc/xrdp/rsakeys.ini\" -c -o xrdp_tcp.o xrdp_tcp.c
gcc -Wall -O2 -I../common -fPIC -DXRDP_CFG_FILE=\"/etc/xrdp/xrdp.ini\" -DXRDP_KEY_FILE=\"/etc/xrdp/rsakeys.ini\" -c -o xrdp_iso.o xrdp_iso.c
gcc -Wall -O2 -I../common -fPIC -DXRDP_CFG_FILE=\"/etc/xrdp/xrdp.ini\" -DXRDP_KEY_FILE=\"/etc/xrdp/rsakeys.ini\" -c -o xrdp_mcs.o xrdp_mcs.c
[Update Manager]
hy@hy-desktop: ~/De...

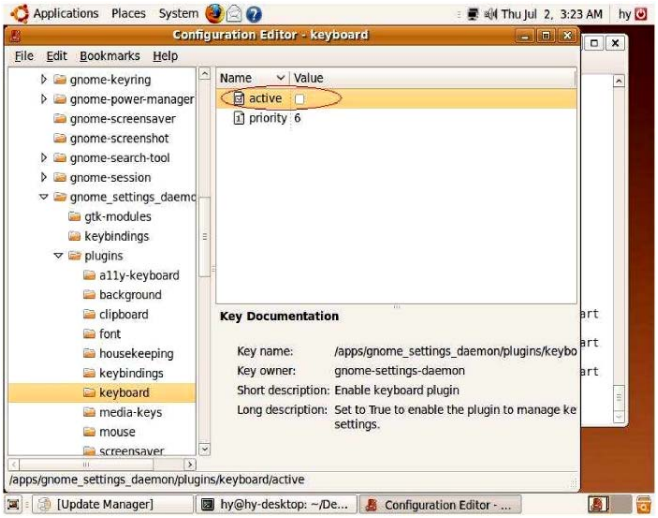
4. sudo make install

C. Configuration file Follow these steps:

1. gconf-editor

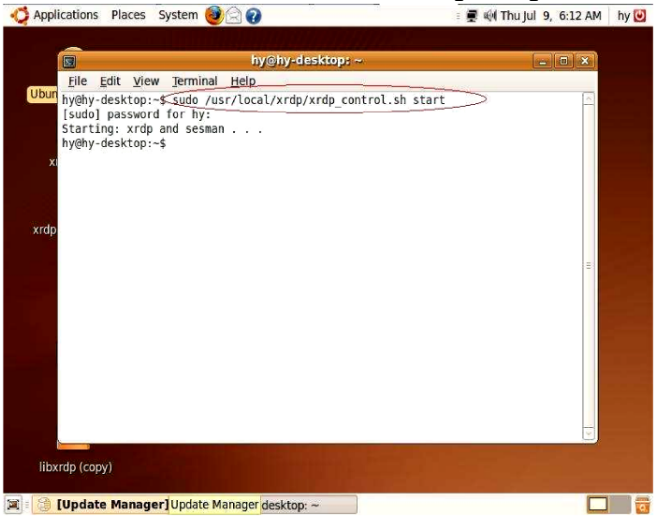

Applications Places System
Thu Jul 2, 4:52 AM hy
hy@hy-desktop: /
File Edit View Terminal Help
0 upgraded, 2 newly installed, 0 to remove and 4 not upgraded.
Need to get 741kB of archives.
After this operation, 1614kB of additional disk space will be used.
Do you want to continue [Y/n]? y
Get:1 http://us.archive.ubuntu.com jaunty/main xbase-clients 1:7.4-5ubuntu18 [11
08B]
Get:2 http://us.archive.ubuntu.com jaunty/universe tightvncserver 1.3.9-4 [740kB
]
Fetched 741kB in 59s (12.5kB/s)
Selecting previously deselected package xbase-clients.
(Reading database ... 104250 files and directories currently installed.)
Unpacking xbase-clients (from .../xbase-clients_1%3a7.4-5ubuntu18_all.deb) ...
Selecting previously deselected package tightvncserver.
Unpacking tightvncserver (from .../tightvncserver_1.3.9-4_i386.deb) ...
Processing triggers for man-db ...
Setting up xbase-clients (1:7.4-5ubuntu18) ...
Setting up tightvncserver (1.3.9-4) ...
hy@hy-desktop:/$ sudo /usr/local/xrdp/xrdp_control.sh start
xrdp is already loaded
hy@hy-desktop:/$ rdesktop 127.0.0.1
Autoselected keyboard map en-us
hy@hy-desktop:/$ gconf-editor
hy@hy-desktop: /
[Update Manager]
[Configuration Editor]

2. apps / gnome-setting-deamon / plugins / keyboard / To set "active" to Disable



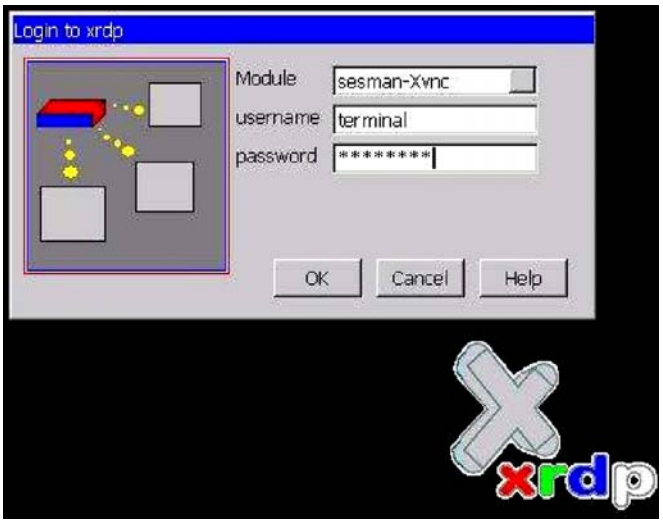
NOTE: The configuration of each user must be changed to disable.

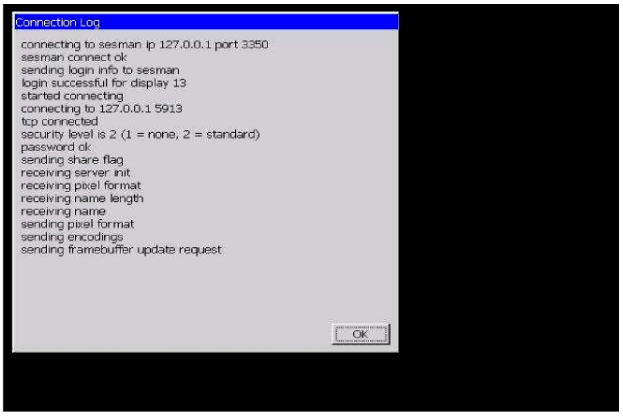
D. Start XRDP Sudo /usr/local/xrdp/xrdp_control.sh start



Logon

Please select "Auto logon" in the "Server" bookmark in Setup of Terminal. Input the Server IP address and save. Turn the power off and on.



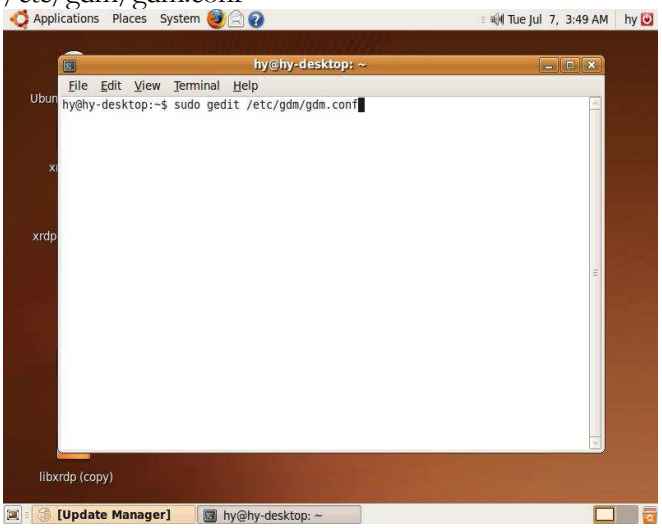


6.2 xrdp autostart setting

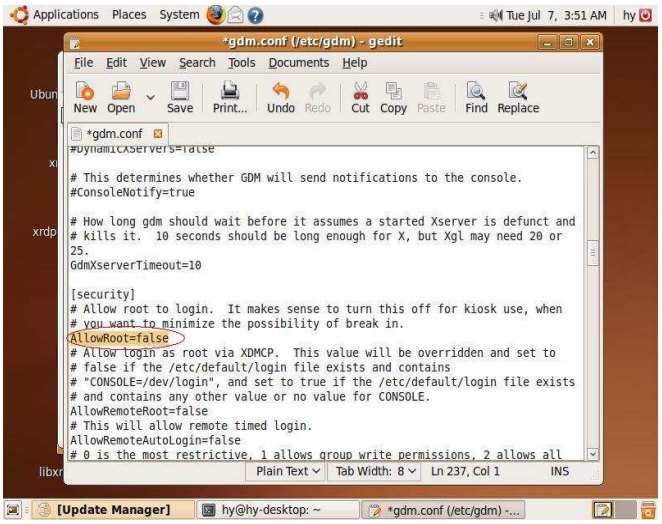
NOTE: The host can auto-run xrdp only when logon under root user;

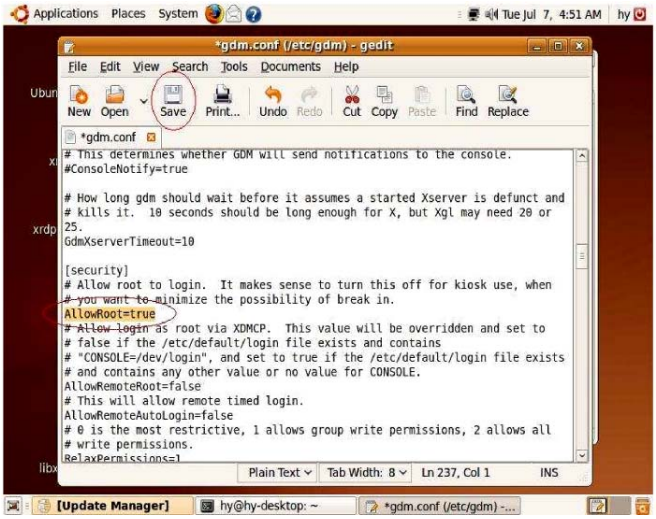
A. Boot system with supper user (root)

1. modify "/etc/gdm/gdm.conf" file with the command as following: Sudo gedit /etc/gdm/gdm.conf



2. Modify 237 Line “AllowRoot=false” to “AllowRoot=true”


Applications Places System
Tue Jul 7, 3:51 AM
hy
*gdm.conf (/etc/gdm) - gedit
File Edit View Search Tools Documents Help
New Open Save Print... Undo Redo Cut Copy Paste Find Replace
*gdm.conf
This determines whether GDM will send notifications to the console.
#ConsoleNotify=true
How long gdm should wait before it assumes a started Xserver is defunct and
kills it. 10 seconds should be long enough for X, but Xgl may need 20 or
25.
GdmXserverTimeout=10
[security]
# Allow root to login. It makes sense to turn this off for kiosk use, when
# you want to minimize the possibility of break in.
AllowRoot=false
# Allow login as root via XDMCP. This value will be overridden and set to
# false if the /etc/default/login file exists and contains
# "CONSOLE=/dev/login", and set to true if the /etc/default/login file exists
# and contains any other value or no value for CONSOLE.
AllowRemoteRoot=false
# This will allow remote timed login.
AllowRemoteAutoLogin=false
# 0 is the most restrictive, 1 allows group write permissions, 2 allows all
Plain Text Tab Width: 8 Ln 237, Col 1 INS
[Update Manager]
hy@hy-desktop: ~
*gdm.conf (/etc/gdm) -...


Applications Places System
Tue Jul 7, 4:51 AM
hy
*gdm.conf (/etc/gdm) - gedit
File Edit View Search Tools Documents Help
New Open Save Print... Undo Redo Cut Copy Paste Find Replace
*gdm.conf
This determines whether GDM will send notifications to the console.
#ConsoleNotify=true
How long gdm should wait before it assumes a started Xserver is defunct and
kills it. 10 seconds should be long enough for X, but Xgl may need 20 or
25.
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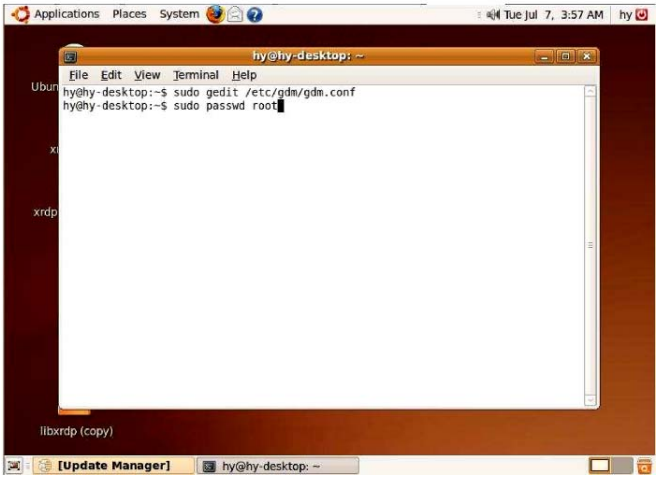
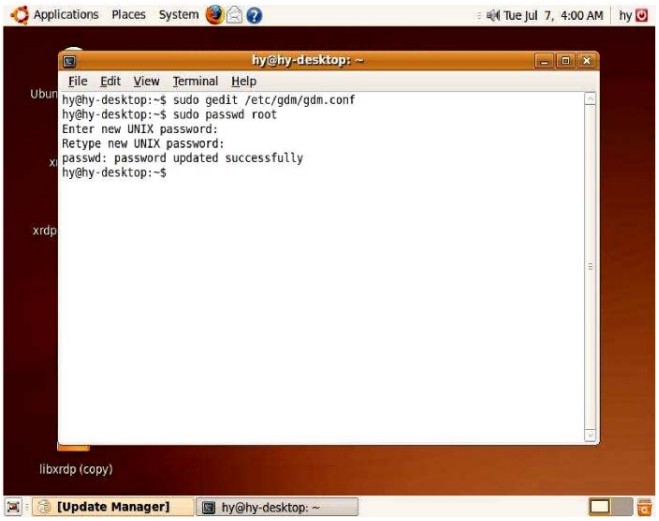
# Allow login as root via XDMCP. This value will be overridden and set to
# false if the /etc/default/login file exists and contains
# "CONSOLE=/dev/login", and set to true if the /etc/default/login file exists
# and contains any other value or no value for CONSOLE.
AllowRemoteRoot=false
# This will allow remote timed login.
AllowRemoteAutoLogin=false
# 0 is the most restrictive, 1 allows group write permissions, 2 allows all
# write permissions.
Plain Text Tab Width: 8 Ln 237, Col 1 INS
[Update Manager]
hy@hy-desktop: ~
*gdm.conf (/etc/gdm) -...

3. choose “save” and exit
4. set the password for “root”

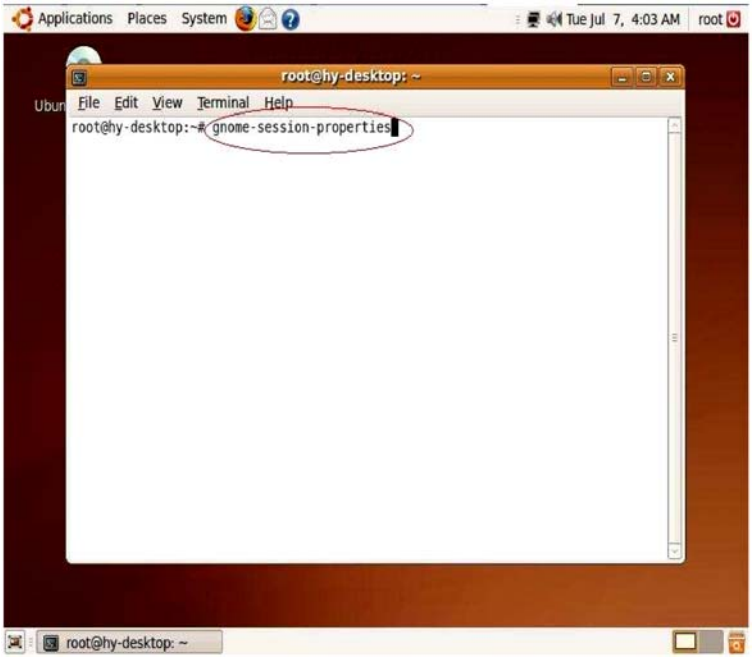




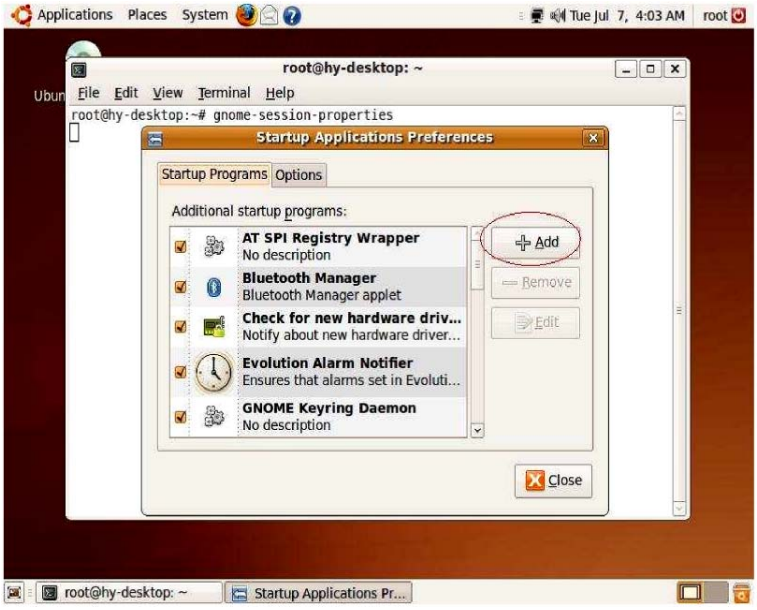
5. reboot the system, logon with "root" user

B. xrdp autostart setting

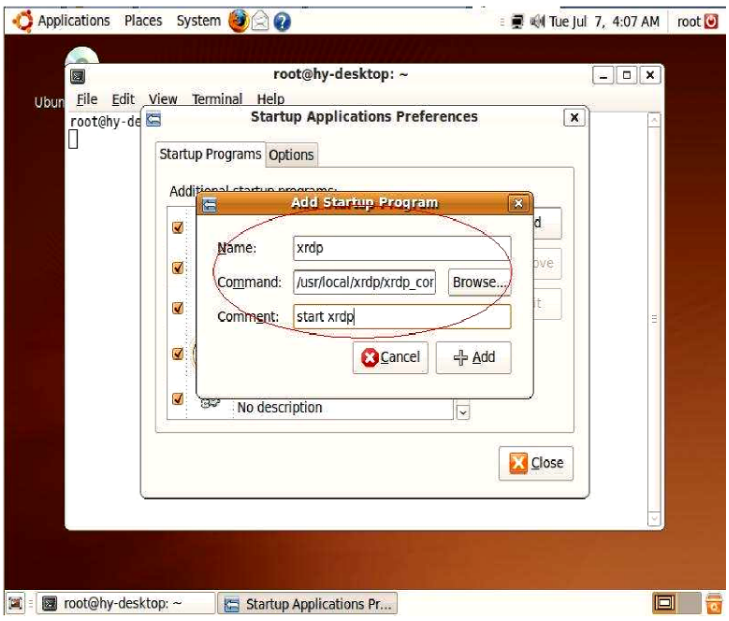
1. gnome-session-properties



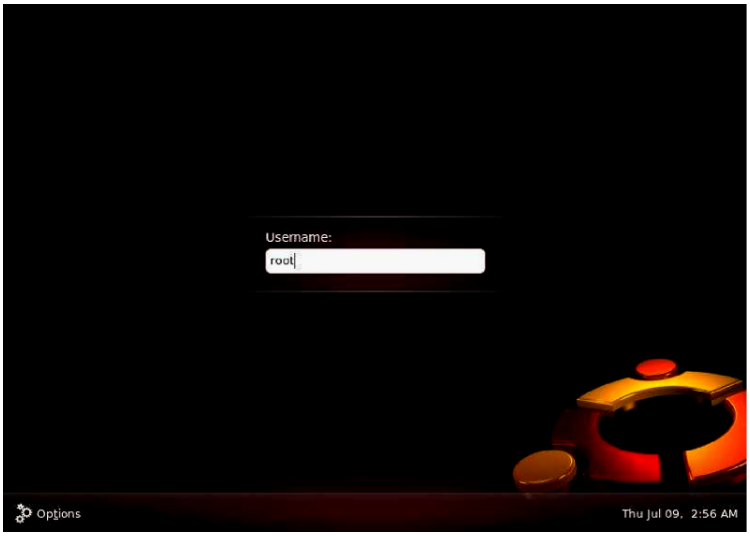
2. choose "Add"



3. Add Startup Program Name: xrdp
Command: /usr/local/xrdp/xrdp_control.sh start
Comment: start xrdp Chick “Add” to save



4. reboot the system, logon with “root” user



7. Product Specifications

Supported OS:

* Windows 7 Professional / Enterprise / Ultimate,
* Windows XP Professional,
* Windows 2008 Server,
* Windows Vista Business / Enterprise / Ultimate,
* Windows Server 2003(Standard Edition/Enterprise Edition),
* Linux

7.1 M-Series

1. Power: INPUT AC110V ~ AC240V 50/60 Hz, OUTPUT DC 5V/ 2A

2. Size: 180mm(W) x 32mm(H) x 130mm(D)

3. Weight: 600g

4. Ports: DC Power Jack, Speaker & Microphone Jack (option), PS2 Keyboard Port, PS2 Mouse Port, Ethernet (RJ- 45) Port, Video Monitor Port, USB Interface (option).

5. Indicator: Around the power button, light when power on, blink while the network cable is not connected correctly.

6. Protocol: NetPoint 5.1, RDP

7.2 L-Series

1. Power: INPUT AC110V ~ AC240V 50/60 Hz, OUTPUT DC 5V/ 2A

2. Size: 140mm(W) x 34mm(H) x 120mm(D)

3. Weight: 500g

4. Ports: DC Power Jack, Speaker, PS2 Keyboard Port, PS2 Mouse Port, Ethernet (RJ- 45) Port, Video Monitor Port, USB Interface (option).

5. Indicator: Left for power indicator, light when power on; middle for data transfer, blink while data transfer between server and terminal; right for network link indicator, light when the network cable is connected correctly.

6. Protocol: NetPoint 5.1, RDP

7.3 A-Series

1. Power: INPUT AC110V ~ AC240V 50/60 Hz, OUTPUT DC 5V/ 2A

2. GrossWeight： 5.5KG

3. Respones Time: 4ms

4. Contrast: 2000:1

5. Resolution: 1024*768

6. Viewing Angle: 170

7. Brightness: 350nits

8. Display Class: A+

8. FAQ

1.Q: How to set user account and password

A: 1). Open Control Panel, then choose User Accounts
2). Choose "Create a new account"
3). Type a name for the new account, then choose Next
4). Pick an account type, then choose Create Account
NOTE: The user account type must be a computer administrator account or a Remote Desktop user. All accounts must be Remote Desktop Users. Each user account must have a password.

2.Q: How to Setup Limited Account User (Remote desktop Users) to Login Host with Network Terminal?

A: 1).Open Control Panel, then choose System
2).Then choose Remote tab
3).Then click Select Remote Users
4).Then click Add…
5).Click on Advanced…
6).Then click Find Now
7).After User Names Show, click selected Names by holding Crtl + click Names
8).After Selecting Names, then click OK.
9).When done, click OK

3.Q: Why you log on the Host PC, enter the user name, we get the message, "The system does not allow logon"

A: When you log on system, each Terminal must use a different user name and password, the user account type must be a computer administrator account or a Remote Desktop user.

4.Q: What resolution can NT support? Why individual monitors can not be automatically set to full screen display?
A: NT can support following resolutions: 640x480, 800x600, 1024x768, 1280x720, 1280x960,1280x1024,1440x900 .... 16 bit color (65,536 colors).
Some can not automatically see full-screen display on the monitor. Adjust the settings to achieve full-screen effect through the monitor controls manually

5.Q :Why do some antivirus software identify netpoint.exe as a virus?
A: This is due to the nature of NetPoint EXE file. Please ignore this warning and unblock NetPoint.

6.Q: How do I use a dynamic IP address when the Host PC is connected to a router?
A: A router allocates the IP address dynamically to the Host PCs and NT(s). Users do not need to set the IP address. Set the network configuration to dynamic IP address in the set up window.

7.Q: If a router/hub is connected to the Host PC, how do I connect NT to the Host PC with a static IP address?
A: You have to set the static IP address of the Host PC and NT(s) through a router/hub. (Contact your network manager to get the static IP address of the Host PC)

8.Q: I am not connected and the screen displays "DHCP server not found"
A: NT is set to get the IP address dynamically. If you enter the setup screen of the NT by pressing "Setup", you can check in the " Local" tab and make sure that the "Get from DHCP Server" option is selected. To use this option the router has to have DHCP server functionality activated. If you do not have a router, you have to install a Host PC that can allocate the DHCP addresses on your network.. When you connect the NT directly to a Host PC, you can not use this option. In this case, select "Set a Static IP address" and input IP address. Using IP router, check whether the DHCP function is activated, power is on, and LAN cable is connected. Turn off the NT terminal and wait several seconds, and then turn it back on. If you use a firewall program and certain outer protocols are blocked, you might not be able to connect to the NT terminal.

9.Q: What games can I play?
A : You can run only 2D games and Internet casual games such as a java and flash type.
Refer to the list below for what is not supported through NT:
1. 3D games that require GPU or hardware accelerator.
2. Single user game that requires CD placed in the Drive.
3. Games which run on only one registered PC and verify the IP address of the system.

10: Q I can't play the video in full screen mode with the NT.
A: Our product shares the resources of the Host PC, so the memory and Host PC resources is limited and the performance speed is dependant on the Host PC's specification. Playing the video in full screen mode takes a lot of system resources. We recommend playing the video in an appropriate screen size that does not reduce the system speed. NT is designed to run applications at the office such as a surfing the Internet, word processing, or working with spreadsheets.

11.Q: Will this work in Windows®98 and Windows®2000 Professional?
A: NT supports Windows® XP Professional, Windows Vista Business / Enterprise /

Ultimate, Windows®2008 Server and Windows® Server 2003 (Standard Edition/Enterprise Edition), Linux.

12.Q: I want to upgrade the speed of the NT.
A :You can do the following to increase speed:
1. Use a CPU which utilizes Hyper-Threading technologies and large L2 Cache memory size.
2. Install more RAM.
3. Use a HDD with faster access speeds. (fast rpm)
4. Add more LAN adapters when multiple NT are connected through the switch.
5. Reduce the number of NT on Host PC by adding more Host PC's .

13.Q: NT can not be connected even after program installation.
A: This can happen due to the following reasons.
1. If LAN cable is not connected to the Host PC with program installed. → Connect LAN cable to Host PC.
2. If LAN cable is not connected to NT → Connect LAN cable to NT.
3. If LAN cables are connected to both Host PC and NT → Verify IP settings for both Host PC and NT. (Refer to Network setting of the user's guide)